

80 Years Ago: The 1943 Battle of Kursk: Largest Tank Battle in History

By [Dr. Leon Tressell](#)

Global Research, July 04, 2023

Region: [Europe](#), [Russia and FSU](#)

Theme: [History](#)

All Global Research articles can be read in 51 languages by activating the Translate Website button below the author's name.

To receive Global Research's Daily Newsletter (selected articles), [click here](#).

Click the share button above to email/forward this article to your friends and colleagues. Follow us on [Instagram](#) and [Twitter](#) and subscribe to our [Telegram Channel](#). Feel free to repost and share widely Global Research articles.

German Leopard tanks have been destroyed in Ukraine's ongoing summer offensive in combat with Russia forces. There is a sense of irony that this is happening on the 80th anniversary of the largest tank battle in history at Kursk in July 1943. Just as in 1943 these much hyped 'wunderwaffe' have failed to break Russian defences much to the chagrin of the collective West.

Following the calamitous defeat at Stalingrad in early February the German Wehrmacht faced a series of Red Army offensives which were designed to bring about the destruction of Army Group Centre and Army Group South as well as the lifting of the siege of Leningrad. These simultaneous assaults on all three German army groups, across a thousand mile front, envisaged the liberation of Ukraine, the second largest republic in the USSR.

These over ambitious attacks tore great holes in the German front lines as the Red Army advanced 150 miles westward. The German armies which had threatened Moscow during 1941-1942 had been driven westward removing the threat to the capital of the USSR. The offensives in the south led to the capture of major cities in Eastern Ukraine such as Kharkov, the fourth largest city in the Soviet Union. Meanwhile, in the north the southern shore of lake Ladoga was swept clean of German units and a land corridor was established between the starving inhabitants of Leningrad and the rest of the country.

As the Wehrmacht was being mauled all along the entire front Field Marshall Manstein, commander of Army Group South, observed how the Red Army had over extended itself with its over ambitious offensives and launched a series of counter attacks which led to the recapture of Kharkov. The Red Army's attempt to liberate the Donbass and reach the Dneiper river had been frustrated. Once the spring thaw (Rasputitsa) had set in a large salient, about half the size of England, jutted into the German front. At the centre of this salient lay the city of Kursk.

Unable to move in the spring mud the Wehrmacht and Red Army set about refitting experienced units and training new formations for the battles to come that summer.

During this period the Hitler and Stalin together with their generals pondered their next moves.

German plans for summer offensive 1943

The Wehrmacht was in bad shape after its disastrous loss of the German 6th Army at Stalingrad and the loss of several Axis armies. All told it has lost nearly a million men while the Red Army kept growing in size. Besides the terrible loss in manpower the Luftwaffe had taken very heavy losses and the armoured forces of the Wehrmacht had also been savaged. The German army had been forced to retreat 435 miles across a 750 mile front.

Hitler and his general staff realised that the Wehrmacht did not have the strength to launch wide scale offensives like it had done in the summers of 1941 and 1942. The German army, which was a shadow of its former self, only had enough strength to launch an attack across a very limited front which greatly restricted Hitler's options for the summer of 1943.

Manstein suggested to Hitler that the Wehrmacht withdraw to the Dnieper and then use its panzer forces to counter attack the expected Red Army thrust from Kharkov in the flank. According to historian John Erickson, 'This backhand chop would slice up Soviet troops and pin them down for destruction on the sea of Azov.' However, it was rejected by Hitler as being too defensive in nature.



German Panzer IV and Sd.Kfz. 251 halftrack (Licensed under CC BY-SA 3.0 de)

Apparently, General Heinz Guderian, newly appointed Inspector of Panzer forces, suggested that the Wehrmacht hold off any major offensive in 1943 using the time to rebuild its armoured forces for offensive action in 1944. Not surprisingly, such a course of action had no appeal to Hitler who was acutely aware of the possibility of a second front opening up in the West. He wanted to inflict a crushing defeat on the Red Army in the Kursk salient which also shorten the German front and buy the Wehrmacht some time before it had to deal with

an Anglo-American second front in Western Europe.

The German summer offensive for 1943 was code named Zitadelle, Operation 'Citadel' and envisaged a two pronged pincer attack on the northern and southern shoulders of the Kursk salient. This salient presented opportunities for the Red Army to strike into the flanks of Army Group Centre and Army Group South. Concentric attacks would encircle and destroy the large number of Red Army armoured formations in the salient. Once Kursk was captured the German front would be considerably shorter and the Red Army would be forced to retreat back into the depths of Russia.

Soviet plans for summer 1943

In Moscow the Stavka debated military operations for the upcoming summer. Stalin in discussions with his generals expressed his natural instinct to launch a pre-emptive attack against the build up of German formations near the Kursk salient. General Vatutin played a key role in persuading the Generalissimo that a Red Army offensive to spoil the German attack on Kursk would be pointless and dangerous. Vatutin's operational thinking envisaged that the Central and Voronezh Fronts would strictly remain on the defensive and absorb the brunt of the German attack and grind the enemy down in attritional battles. Once the German assault had lost its momentum then a reserve Soviet army behind Kursk would launch a decisive counter-attack against the Wehrmacht. This counter-attack envisaged the liberation of Eastern Ukraine and the industrial region of the Donbass. At the same time further north, the Bryansk and Western Fronts would launch an offensive aimed at the capture of Orel and advance to the liberation of eastern Belorussia and in the process destroy Army Group Centre.



Soviet troops of the Voronezh Front counterattacking behind T-34 tanks at Prokhorovka, 12 July 1943
(Licensed under CC BY 4.0)

During April extensive discussions between Stalin and his Front commanders led to the refinement of the plans for the defence of the Kursk salient. It was agreed that to give operational depth to the defensive action that a powerful reserve would be set east of Kursk. This became known as the Steppe Front consisting of five rifle armies, one tank army, an air army and six reserve corps.

Apparently, despite these plans Stalin, who had the disastrous defensive operations of 1942 still in mind, held gloomy thoughts about the prospects of the Red Army fighting a defensive battle around Kursk.

Red Army prepares its defences

During late spring the Central and Voronezh Fronts completed their deployment for a defensive battle. Artillery poured into the Kursk salient. By June over 20,000 guns and mortars, 6,000 anti tank guns and 920 Katyushka rocket batteries were in position. This was supplemented by 9 anti aircraft artillery divisions and the building of 110 airfields which housed 3,500 aircraft of which 2,000 were fighters, 800 were ground attack aircraft and 700 were bombers. An additional 40 dummy airfields were built which were to spare the Red Army many losses in July. Red Army engineers put down 503,663 anti tank mines and 439,348 anti personnel mines to protect the more than 3,000 miles of trenches that had been dug.

Lloyd Clark in his account of the battle has observed that the Soviet defences presented a formidable obstacle for the upcoming German offensive. Their purpose was to, '... catch the German Blitzkrieg in a cobweb of defences, where it would tire and struggle before the Soviets attacked.'

On the ground during May both sides were frantically preparing for the battle to come while the war in the air became very intense. German bombing raids on the Soviet front lines together with extensive reconnaissance by the Luftwaffe stretched the 16th Air Army to the limit. The air battles involved upwards of 1,000 aircraft on both sides.

As the air war raged overhead Soviet authorities mobilized over 300,000 civilians to build the defence works, such as anti tank ditches, that were essential for the upcoming battle. Each rifle army built three defensive lines with a depth of up to ten miles. This defensive system was connected by communication trenches which were also fitted out with firing points. Anti tank defences comprised of five anti tank guns, five anti tank rifles every half mile along with a unit of sappers and a squad of tommy gunners supported by mobile anti tank blocking squads. Meanwhile, every kilometre of front had an average density of 5-7 tanks, many of them dug into the ground.

The traumatised civilian population in Kursk and the surrounding countryside was forbidden from leaving the Kursk salient and told to carry on with their daily lives while helping with digging latrines and burying signals cables for the Red Army. Lloyd Clark recalls the genocidal activities of German troops in Kursk, "In the 14 months that they had occupied Kursk, the Germans has plundered, raped and murdered their way into the nightmares of the remaining inhabitants."

The situation in the countryside was just as bad if not worse as German troops had engaged in a frenzy of murderous destruction. Catherine Merridale describes:

"The hardship in the countryside was indescribable ... the areas of the occupation had been plundered, the people's livestock slaughtered or driven away, their crops destroyed or looted, suspected partisans had been hanged, and then their neighbours-entire communities-had been punished for good measure. A total of nearly 40,000 houses, over half the region's entire stock, had been burned to the ground. Many able-bodied adults had been dragged off to work for the Reich as forced labourers. There

was no one left to rebuild the houses, dig the fields or gather what was left of last year's crop."



Troops of Division Das Reich, Tiger I tank, in June 1943 before the battle (Licensed under CC BY-SA 3.0 de)

As the civilian population was engaged in building defences infantry and tanks formations were put through an extensive training programme which included instructions on how to deal with the new German 'wunderwaffe': Tiger tanks. It is worth noting that most of the rifle armies in the Kursk salient were veteran formations many of which had fought in Stalingrad. Each day Stalin carefully monitored the defensive preparations and organized the work of the General Staff on a 24 hour basis. He received twice daily reports on the progress at the Kursk salient after which he would dictate directives to the various armies.

As planning and preparations continued apace for the battle to come the battle of production was swinging decisively in favour of the Soviet Union. Stalin had made it clear to the Central Committee and Red Army leadership that, 'The war will be won by industrial production'. The planned economy was undergoing a gigantic effort to massively increase the quantity and quality of weaponry for the Red Army. Mass line output rapidly swelled the production of new bombers, escort fighters and anti tank ground attack aircraft. There was a big increase in the production of the new KV heavy tank and the newly improved T-34 tanks. For example, the Kirov tank factory had 64 production lines, and was producing the newly developed self propelled guns SU-122 and SU-152.

Infantrymen became walking arsenals heavily equipped for anti tank fighting. By June 1943 over 1,450,000 anti tank rifles and 21,000 small calibre anti tank weapons had been distributed to the infantry. The Red Army also benefited from a huge influx of US Lend Lease jeeps of whom around 183,00 had been received by mid 1943.

The Soviet armed forces underwent considerable revision. One example of this being the decision to abandon tank armies which were composed of armour and infantry. New tank armies were formed that were composed of tanks alone. On the eve of Kursk these new tank

armies had a collective strength of 9,918 tanks. These were seen as an armoured spearhead designed to breakthrough enemy front lines and penetrate deep into the German rear. In volume 2 of his history of the Eastern Front John Erickson has observed that by mid 1943:

“... two armies were emerging in the Soviet establishment, the army of ‘quality’, the elite tank arm, the Guards and the crack formations, behind which the army of ‘quantity’ formed up in its solid ranks.’

On the eve of Kursk it was clear that both in terms of ‘quantity and quality’ the Wehrmacht was outmatched by the Red Army. The Red Army’s leadership had learned from its painful defeats in 1941-42 and begun to master the art of combined arms warfare which it was to employ to great effect in the battles that consumed the Wehrmacht in the second half of 1943.

Richard Overy in his book *Russia’s War* has noted how the modernization of the Red Army and updating of its fighting methods meant that, “The gap in organisation and technology between the two sides was narrowed to the point where the Red Army was prepared to confront the German forces during the summer campaigning season in the sort of pitched battle of manoeuvre and firepower at which the German commanders had hitherto excelled.”

German preparations for Zitadelle

On 16 June Hitler gave the order for Operation Citadel to go ahead in early July even though the impending battle made his ‘stomach turn over’ with anxiety about the high stakes of the offensive ahead. Many senior German commanders shared their Fuhrers anxiety over the gamble being taken to stake their armoured reserves on an operation in which the Wehrmacht had ‘little to gain’ but ‘much to lose’. General Mellenthin commented that the attacking German force of 770,00 men, 2451 tanks, (over 40% of the Wehrmacht’s entire armoured strength) and 7,417 guns was a formidable array of forces to risk on the upcoming offensive:

“From the strategic aspect Zitadelle was to be a veritable “death ride” for the whole of the operation reserve was to be flung into this supreme offensive.”

The lack of artillery firepower meant that the Wehrmacht relied very heavily on the Luftwaffe to smash Soviet defences and create a path forward for the advance of panzer units. The German high command supplied the upcoming offensive with 1,830 aircraft which represented 70% of the Luftwaffe’s entire strength on the Eastern Front. Luftwaffe engineer Ludwig Schein recalls, ‘ Our superiors told us that the skies held the key to success in Zitadelle, but that our success was not assured and to expect no end of hard work. We were told to expect a massive air battle.’ The Luftwaffe was also hampered by the shortage of fuel, oil and lubricants which affected its performance in the battle to come.



Luftwaffe *Flakvierling* unit (Licensed under CC BY-SA 3.0 de)

Eve of the battle

On the eve of battle both sides caught their breathe in anticipation of the very heavy fighting to come. John Erickson has observed:

“When it came, and as both sides reached their fighting peak, Kursk provided for many ghastly days the greatest clash of armour ever seen, a monstrous confrontation which consumed men and machines in one appalling, fiery nightmare. On the eve of it the Russians were under no illusions over what was about to hit them.”

One Red Army tank veteran recalls watching his friend slowly spread fat over a slice of bread. His friend said, ‘Don’t rush me. I’m going to enjoy this. It’s the last meal I’ll eat in this world.’

After midnight on 5 July German troops were read out Hitler’s order of the day telling them, “Today you will launch a great attack, whose outcome will have decisive significance for the war. Your victory must strengthen the conviction of the entire world that resisting the German Wehrmacht is useless...” The waiting German troops had no idea that their offensive had been compromised and that 1.5 million Red Army soldiers were waiting for them behind large minefields and hidden in trenches, bunkers, fortified buildings.

Red Army journalist Vassily Grossman reached the front just before the start of the battle. He interviewed intelligence officers at the headquarters of Marshal Rokossovsky about the impending battle. In his notebook Grossman remarked on the obstinacy of the Germans in attacking the massively well defended sectors on the northern flank of the Kursk salient:

“... although pilots kept telling them how strong our defence was.) There’s no freedom of will. Mass dominates over brain.) Under estimation of the enemy, of the enemy’s strength. This is typical of Germans. It is due to their past success over the past few years.”

During the night of 4 July the Red Army captured a German sapper who told them about the imminent offensive at 3.30 hours. In response it laid down a two hour artillery bombardment of German forward positions at 2.00 hours. One German soldier Bernard Roth recalls, ‘The shells came plunging out of the darkness without warning and we were caught in the open. We had not expected the enemy to catch us at such a time.’

The unexpected Soviet artillery attack forced the German offensive to be delayed by 40 minutes. It was time for the largest tank battle in history to begin.

An 80 minute artillery bombardment preceded the opening attack of the German Ninth Army in the north of the salient and the Fourth Panzer Army and Army Detachment Kempf in the south. The attacking ground formations were supported by Luftwaffe in the form of Ju-88 and He-111 bombers. Hundreds of Messerschmitts were sent to intercept a massive Soviet raid on German artillery and attacking ground troops. On the first day of the battle the Luftwaffe gained air superiority destroying 176 Soviet aircraft. Thus began an intense and crucial air battle which was one of the largest of the war.

German Offensive in the north: Ninth Army Attacks

At 0530 hours General Model’s Ninth Army began its attack. A diversionary attack by XXIIII Corps was halted 1.5 kilometres into the first defensive belt of the 13th and 48th Armies. The main attack by XXXXV Panzer and XXXXII Panzer Corps had more success north-west of Ponyri. Panzer forces advanced five kilometres seizing the village of Bobri before being halted by intense fire from the 6th Guards Rifle Division. To the east, German infantry divisions supported by Tigers and self propelled guns had smashed through Soviet defences north-west of Ponyri. Further east, the 86th Infantry Division advanced towards Ponyri Station forcing several Red Army divisions to retreat.

Marshal Rokossovsky responded to German advances by committing numerous armoured, antitank and artillery forces designed to blunt the German attack and deny it the operational freedom beyond the Soviet tactical defences. Glantz and House in their account of the battle have observed, ‘This was attritional war with a vengeance.’

As the ground fighting intensified a large air battle took place over the battlefield. Both sides lost over a hundred aircraft as Soviet fighters tried to prevent Luftwaffe bombing raids across the entire northern front.

Both German and Soviet troops were shaken by the ferocity of the fighting. One German observer noted:

"The Soviet infantry refused to panic in the face of the roaring Tiger and Ferdinand tanks. ...Everything had been done to inoculate the troops against the notorious "tank panic". The result was unmistakable.

The Russian infantrymen allowed the tanks to rumble past their well camouflaged foxholes and then came out to deal with the German grenadiers in their wake. Thus the battle continued to rage on in sectors that the forward tank commanders believed had already been won.

Tanks and assault guns had to be brought back relieve the grenadiers. Then they had to be sent forward again. And pulled back once more. By evening the grenadiers were exhausted, and the tanks and assault guns were out of fuel.

And another thing all commanders reported unanimously " Nowhere has the enemy been taken by surprise. Nowhere has he been soft. He had clearly been expecting the attack, ... That was a nasty surprise."

Vasily Grossman was with an anti tank brigade during the battle for Ponyri Station. He managed to get his editor to publish his account of the bloody nature of the fighting:

"At dawn German tanks started to attack. [Enemy] aircraft attacked at the same time and set the village on fire.

Battery commander Ketselman was wounded. He was dying in a puddle of black blood; the first artillery piece was broken. ... Only the ammunition bearer, Davydov, was still on his feet. And Germans had already come very close. They were 'seizing the barrels', as artillerists say. Then the commander of the neighbouring gun, Mikhail Vasilev, took control. These were his words: 'Men, it isn't a shame to die. Even cleverer heads than ours sometimes happen to die.' And he ordered them to open fire at the German infantry with canister. Then, having run out of anti personnel rounds, they began to fire at the German sub-machine gunners at point blank range with armour piercing shells. That was a terrible sight."

At the end of the first day the German Ninth Army had created a wedge in the Soviet first line which was 15 kilometres wide and 8 kilometres deep. This modest progress had come at heavy cost. General Model had lost 200 tanks and assault guns due to mechanical failure and enemy fire.

On the second day of Ninth Armies attack the Central Front commander, Rokossovky ordered a counter attack. Rifle divisions from the second line of defence were brought forward to expel German forces from their positions in the first defensive belt. This counter attack was supported by 200 tanks from the 2nd Tank Army and the 9th and 19th Tanks Corps. Several historians of the battle have observed that this Soviet counter attack was premature and many Red Army units were not properly prepared.

On 6th July an immense tank battle raged for four days along the ridges west of Ponyri Station. Glantz and House have commented:

"Between Ponyri and the small village of Saburovka, an armada of 1,000 tanks and self-propelled guns, accompanied by massed infantry and artillery firing over open sights, struggled mightily and bloodily for possession of the key fortress villages of

Ol'khovatka, and nearby Hill 274. The ferocity of the fighting was unprecedented, and its potential consequences immense."

A German infantryman, who was a survivor of this fighting, recalls:

"It was Armageddon. Every second that passed I expected to be my last. Men were falling all around me but we just focused on our objective. Our officer was killed in an explosion, my section commander was shot through the neck shortly after ... Soviet aircraft added to the hell as they appeared through the smoke without warning as we could not hear their engines over the noise of battle. They strafed us time after time, hour after hour ... Death would have been a merciful release from that hell, but I came through. Those were the worst moments of my war, of my life. I am haunted by memories of it. Absolutely terrifying."

During the day Soviet armoured units lost scores of tanks as the advance of German forces ground to a halt on the outskirts of Ponyri. Committed in piecemeal fashion the tanks of the 2nd tank Army no longer remained a cohesive fighting force by the close of the day. The Red Air force committed hundreds of fighters into the fray forcing the Germans to take precious aircraft from the southern sector of the battle to barely maintain local air superiority.

At dawn on 7 July Ninth Army renewed its assault to break through the Soviets second defensive belt around the town of Ponyri. It dominated the road and rail approach into Kursk from the north. Both sides understood its significance. German participants in the battle later recalled:

"Ponyri, a strung out village, and Hill 253,5 were the Stalingrad of the Kursk salient. The most fiercely contested points were the tractor station, the railway station, the school and the water tower. The railway embankment and the northern edge of the settlement had been captured on the first day of the attack. But after that a savage struggle in which the 18th and 9th Panzer Divisions, as well as the 865th Infantry Division participated."

During the day German units attacked the town five times only to be repulsed. By the end of the day at a heavy cost the Wehrmacht had captured half of the town. The Red Army threw reinforcements into the battle comprising a tank brigade and a tank corps along with an artillery regiment and anti tank brigade.

As the battle for Ponyri raged Central Front commander Rokossovky sent further reinforcements to defend the critical chain of hills around Ol'khovatka. He understood as well as General Model, commander of the German Ninth Army, that these hills which overlooked Kursk, were critical to the success of the attack on the northern shoulder of the salient. Therefore on the evening of 6th July he sent two tank corps and the 3rd Destroyer Brigade to beef up the defence of Ol'khovatka.

Headlong assaults by German panzer units suffered terrible casualties and made minimal gains. Glantz and House have observed, 'Efforts to turn the flank of these [Soviet] defenders and to widen the penetration were halted by massed tank destroyers and artillery firing over open sights.'

The losses of Ninth Army greatly increased during the 7th July as the Red Air force sent large

groups of fighter aircraft to achieve air superiority over the battlefield. This lasted for the remainder of the battle in this sector.

The 8th of July proved to be the turning point on this critical front as hundreds of German tanks attacked Soviet defences along the ridge of hills covering Ol'khovatka. A German military observer later described the ferocious nature of the fighting:

"The grenadiers of 20th Panzer Division fought a ... furious battle on 8th July near the village of Samodurovka under a scorching sun. Within an hour all the officers of 5th Company, 112th Panzer Grenadier Regiment, had been killed or wounded. Nevertheless, the grenadiers swept on through cornfields capturing trenches and encountering new ones. The battalions melted away. Companies became mere platoons. ... Even Stalingrad, in spite of its more apocalyptic and tragic aura, does not stand comparison in terms of forces employed and the gigantic open-field battle of Kursk."

Red Army assessments of the days fighting recorded:

"The fiercest battles took place on Hill 257.0 which was 17th Guards Rifle Corps' key defensive sector. Three times, in groups of 60 to 100 tanks each, simultaneously from the north-east and north, the enemy attacked the hill; German infantry, despite fire from defending units, stubbornly attempted to advance behind the tanks to the hill. By 1700 the enemy had successfully occupied it. His further advance was stopped. The enemy was completely unsuccessful in the remaining front sectors of 17th Guards Rifle Corps.

Thus on 8 July, after fierce battles along this axis, German forces were unable to achieve significant success. The final attempt to penetrate Ol'khovatka failed."

The Soviet commander of the 2nd Destroyer Divisions 3rd Destroyer Brigade sent a report of that days defensive action. He noted the bloody nature of the Red Army's resolute defence, 'The 1st and 7th Batteries have perished, but they have not withdrawn a step. Forty tanks have been destroyed. There have been 70 per cent losses in the first battalion of antitank rifles.'

During 8 July to the 10 July control for Ponyri see-sawed as each side threw large numbers of tanks, infantry and artillery into the battle. Glantz and House have commented on the outcome of this immense struggle:

"Through Herculean efforts and at immense cost, the German finally gained possession of most, but not all, of Ponyri. The largely Pyrrhic victory left the victorious attackers exhausted and utterly incapable of further offensive action.

Clearly, Model had almost shot his bolt. After four days of high-intensity combat, the troops of Ninth Army, particularly the infantry and tankers, were worn down and out."

In six days the German Ninth Army had advanced a meagre 15 kilometres for the loss of 20,000 men and over 400 tanks. The failure of Ninth Army in its attack on the northern shoulder of the salient now meant that any hope of German success rested on the Hoth's tank forces attacking in the south. They had to contend with Soviet armoured forces which were massing on its flanks.

The failure of the German attack on the northern shoulder of the Kursk salient encouraged Stalin to give the order for Operation Kutuzov to be launched during 11-12 July. This objective of this offensive was to destroy the German held Orel salient towards Bryansk. It placed further pressure on the German Ninth Army as it would now be faced with Soviet forces to its rear.

German Attack In The South

At 0500 hours the Fourth Panzer Army and Army Detachment Kempf went into attack. After a 50 minute artillery bombardment, during which German guns fired more shells than in the French and Polish campaigns combined, medium bombers from the Luftwaffe attacked Soviet front lines. Hundreds of German fighter planes also went into the air to deal with over 400 Soviet warplanes heading for Wehrmacht staging areas. An intense battle for air superiority ensued which developed into one of the most costly of the war. In the first morning the Soviet air force took heavy losses amounting to 176 warplanes.

In the south the German tanks of the elite Grossdeutschland Panzer Grenadier Division soon ran into a minefield and the attack paused, as sappers under heavy enemy fire worked tirelessly to clear the minefield. The division's official history recalls:

"It was enough to make one sick. Soldiers and officers alike feared that the entire affair was going to pot. The tanks were stuck fast, some bogged down to the tops of their tracks, and to make matters worse the enemy was firing at them with antitank rifles, antitank guns and artillery. Tremendous confusion breaks out. The Fusiliers advance without the tanks- what can they do? ... [and] walked straight into ruin. Even the heavy company suffered 50 killed and wounded in a few hours. Pioneers were moved up immediately and they began clearing a path through the mine infested terrain. Ten more hours had to pass before the first tanks and self-propelled guns got through."

Tiger tanks to the right of Grossdeutschland had more success in their advance towards Cherkasskoe. Vasily Grossman recalls, 'Stories about 45mm canons firing at [Tiger] tanks. Shells hit them, but bounced off like peas. There have been cases of artillerymen going insane after seeing this.'

The Tigers were well supported by waves of Stukas whose 550lb fuselage bomb and two wing mounted 110lb bombs were devastatingly successful at destroying Soviet defences. This close air support enabled the German tanks and grenadiers to capture the village that afternoon after a short and brutal battle.

In the south the II SS Corps made progress and smashed through the Soviet first line of defence by noon of the first day. By midday the three elite SS divisions: Totenkopf, Das Reich and Leibstandarte Adolf Hitler (LAH) that comprised the corps had reached the Soviet second line. The Tigers' advance was described by a German war correspondent:

"This is the hour of the tank. Unnoticed we assembled at the bottom of the balka, the Tigers flanked by medium and light companies. Our field glasses searched the horizon, groping in the smoke that covers the enemy bunkers like a curtain. ...The heavy tanks roll into the battle zone. At 200 metres the first anti-tank fires at us. With a single round we blow it up."



German soldiers move along an anti-tank ditch, while combat engineers prepare charges to breach it.
(Licensed under CC BY-SA 3.0 de)

As the tanks advanced SS infantry used flame throwers to great effect in clearing Soviet trenches. Hans Huber who led a flame thrower team recalls:

“It was a strange feeling to serve this destructive weapon and it was terrifying to see the flames eat their way forward and envelop the Russian defenders. ... The enemy could not fight against these flame-throwers and so we made good progress taking many prisoners.”

In the afternoon the Das Reich division had its first battle with a 40 strong group of Soviet T-34 tanks of the 1st Guards Army which lasted four hours. Lloyd Clark describes this intense encounter:

“At 1300 hours Das Reich’s armour came under fire from two T-34s, and although they were quickly despatched, 40 more appeared over the horizon firing on the move. Several Tigers were hit but not damaged. Reacting quickly and taking up firing positions, the German armour selected targets and sent their armour piercing rounds hurtling towards the enemy. Red Army tanks burst into flames as the panzers moved to new locations, stopped and repeated the process. After an hour of fighting, the field was covered by blazing hulks.”

The Red Army sought to negate the advantage of the more powerful gun and thicker armour of the Tigers by fighting at close quarters, aiming at the tracks of the German tanks to immobilize them. Soviet infantry used small groups of men as tank killers which came in between T-34 tanks. At close quarters they attached magnetic mines and sticky bombs on to German tanks often to great affect. Suffering heavy casualties the 1st Guards Army failed to stop the panzers advance but they did buy time for Soviet defences further back to bring up more anti tank guns and infantry.

Advancing German units were taken aback by the depth of Soviet defences. General Erhard Raus, commander of two German infantry divisions recalls:

“[T]he advancing infantry surprised them [the Soviets] and had no difficulty ferreting them out. But when the infantry reached the two to three mile deep zone of battle positions prepared in the preceding months, they had to make extensive use of hand grenades in order to mop up the maze of densely dug in trenches and bunkers, some of which were a dozen or more feet deep.”

By the end of the first day Manstein's forces had not achieved their objectives. Many units had barely breached the Soviet first line while some of the SS panzer divisions had broken through the first line and were approaching the Soviets second line of defence. It was clear that the German high command had underestimated the Red Army's defences.

The slow pace of the German advance on the first day gave Red Army commanders time to prepare their second echelons for the renewed assault of the Wehrmacht. Several rifle divisions were moved forward to reinforce the 7th Guards Army and the 6th Guards Army. At the same time over 1,000 tanks were brought forward to support the rifle divisions. Clark has observed the strategic thinking behind Red Army deployments:

“These deployments made [General] Vatutin's priority extremely clear- the enemy would be denied the roads and communications hubs necessary to maintain his impetus, and reinforcements would be moved forward as needed to provide unremitting pressure on his main axes. Manstein's offensive was to be robbed of all momentum, ground down and snuffed out.”

Red Army commanders before the battle had expected the main German blow to come in the north. The events of the first day proved that assumption to be incorrect. The 27th Army which originally was to have been support for Rokossovsky's forces in the north was now given to Vatutin. Vatutin was aware of the danger to Prokhorovka and Oboyan from the Fourth Panzer Army. Much was expected from the Soviet tank forces, 1st Tank Army and 2nd and 5th Tank Corps, brought up to support the second line of defence. Many of the tanks from these units were dug in with only their turrets showing. They would act as fire support for the infantry.

General Katukov, commander of the 1st Tank Army, later recalled the success of this reinforcement: '[The enemy] did not suspect that our well-camouflaged tanks were waiting for him. As we later learned from captured prisoners we had managed to move our tanks forward into the combat formations of Sixth Guards Army.'

At 0300 hours on 6th July the three divisions of the SS Panzer Corps resumed their attack supported by a heavy artillery bombardment and Luftwaffe bombers. The LAH and Das Reich assault was led by 120 tanks with the Tigers leading the advance towards the heavily mined defences of Yakovlevo and advance to the Pokrovka-Prokhorovka road.



Vehicles of II SS-Panzer Corps advancing toward Prokhorovka on 11 July (Licensed under CC BY-SA 3.0 de)

Despite its reinforcement the Soviet second line was unable to contain the German attack. Red Army units launched numerous counter attacks especially against the flanks of the 11 SS Corps.

By the end of the day the SS divisions were just seven miles west of Prokhorovka. Yet they had lost over two hundred tanks destroyed/damaged and over 10,000 dead. Meanwhile, the Luftwaffe was struggling to contain the Soviet air force whose ground attacks began to take their toll on German ground units. The German air force had too few planes and was woefully short of petrol and oil lubricants. This led the Luftwaffe to ration its services with priority going to ground support missions over containing Soviet air strikes.

The right flank of 11 SS Panzer Corps was very exposed due to the failure of Army Detachment Kempf to make enough progress. Glantz and House estimate that 30% of Manstein's armour was being used to protect the flanks and were engaged in battles which 'were quietly assuming decisive importance.'

German forces had suffered 'fearsome' casualties due to the resolute defence of Soviet units protected by large minefields, trenches and anti tank strong points. This deprived the Wehrmacht of the momentum it needed to make faster progress. Peter Maschmann, a German sapper, later called how minefields kept stalling the attack:

"Life expectancy was not high. In a battle such as this, it could be measured in days, but there were a few of us that got lucky. The [mine] belts before the Soviet line ... were particularly dense and it was disappointing to be held up again after our excellent progress earlier in the day. But that was the enemy's aim. To slow us down and grind us into those never-ending, god-forsaken and blood soaked fields."

The exasperation of many German commanders was expressed by Clemens Graf Kageneck, commander of the 503rd Heavy Tank Battalion, when he wrote:

“Never before had a major German offensive had to master such a deeply echeloned and imaginatively organised defensive system. What Manstein and von Kluge had feared since May, that with every weeks delay the Russians would create a nearly impenetrable fortification, was what we now had to face.”

By the end of the second day General Vatutin, commander of Soviet forces on the southern front of the salient was aware of a big hole in his defences. He requested and was given the 5th Guards Tank Army from the Steppe Front reserve with the stipulation from Moscow that Vatutin must continue ‘to exhaust the enemy at prepared positions and prevent his penetration until our active operations [counter attacks] begin.’ The 2nd Tank Corps and 5th Guards Army 10th Tank Corps were ordered immediately to Prokhorovka area to prevent a breakthrough of the 11 SS Panzer Corps and XLV111 Panzer Corps.

The next day 11 SS Panzer Corps and XLV111 Panzer Corps attacked across a 30 mile front supported by 500 Luftwaffe aircraft. During the day the SS Corps, after several gruelling battles, captured Tetervino and Greznoye. Meanwhile, the 300 tanks of XLV111 Panzer Corps became embroiled in a savage battle west of Pokrovka. As usual the German attack faced very determined resistance as it navigated the minefields, bunkers, trenches and anti tank emplacements. By late afternoon German forces reached Syrtsevo where they were met by a Soviet counter attack of over 100 T-34s supported by hundreds of fighter aircraft. The panzer forces were held as Red Army reinforcements poured into Syrtsevo. Technical breakdowns of the Tigers and Panthers were just as costly as enemy anti tank fire. A Yak fighter pilot, Artyom Zeldovich later recalled his impressions of the battlefield on this day:

“The ground gradually lit up with flaring tanks. ... The sky filled with a dense black smoke. We managed to keep the enemy’s aircraft away for periods, but sometimes they broke through when we returned to base to refuel and rearm. When we returned, more tanks were burning and the battle had moved forward, several hundred metres...It was clear that the Germans were heading for Syrtsevo and we had orders to stop them at all costs. Flying over the sector it was easy to see why. The road system was opening up, Oboyan was close by with Kursk not so far beyond it. The battle was a battle of resources, but it was also a test of wills. Looking down at Syrtsevo an inferno I wondered whose will would break first.”



A German soldier inspects a knocked out T-34 during the Battle of Kursk at Pokrovka, 40 kilometres (25 mi) southwest of Prokhorovka. (Licensed under CC BY-SA 3.0 de)

By the end of 7 July the battle in the south was finely poised. Red Army commanders were aware of the grave dangers facing Soviet forces as Manstein's panzers attempted to breakthrough to Kursk. Nikita Khrushchev, Stalin's representative at Vatutin's headquarters, spelled out to the assembled commanders the gravity of the situation facing them:

"The next two or three days will be terrible. Either we hold out or the Germans take Kursk. They are staking everything on this one card. For them it is a matter of life or death. We must see to it that they break their necks."

Vatutin moved up the 40th Army to help prevent the enemy breaking through to Oboyan. He gave orders for two counter attacks against Fourth Panzer Army to be delivered the next day along with diversionary attacks by the Southern and South-Western Fronts to 'tie down enemy forces and forestall manoeuvre of his reserves.'

After three days of intense fighting soldiers on both sides were under immense strain and struggling to cope with the lack of rest and sleep. Felix Karelín, a Red Army infantryman later recalled:

"I hardly recall the first days of the battle. They were a blur, but I remember that we did not sleep. Some men were in worse shape than I. One man I tried to wake as we moved back to a new position but he was so tired that he decided to stay in his shell scrape and take his chances. The position was overrun an hour later ... The lack of sleep made it difficult to understand basic orders and to carry out simple tasks. I was confused and we could barely operate as soldiers. However, we learned to take very, very brief naps which helped a little. I also found that enemy action was an excellent stimulant. I could be falling asleep on my rifle and shells falling around me, but as soon as I was in danger from tanks or enemy [infantry] I would suddenly become alert. But as the days passed, this became increasingly difficult. My energy was being sapped."

On 8 July the Soviet 7th Guards Army launched numerous counter-attacks against 111 Panzer

Corps which largely prevented it from supporting the advance of Fourth Panzer Army. Despite this lack of support the 11 SS Panzer Corps and XLV111 Panzer Corps linked up at Yakovlevo and were able to fend off Soviet counter-attacks once the 167th Infantry Division took over flank duties from the Totenkopf SS Division. This reinforcement of the German attacking front led it to take several villages by noon of that day. Still the ferocious Soviet counter-attacks slowed down the German advance as revealed by the diary of one German gunner:

“We are under extreme pressure and the guns have been in action since 0400 hours. By noon we had run out of ammunition and had to wait two hours for resupply. It arrived with Soviet aircraft ...Enemy attacks have diluted our offensive ...This is the most intensive fighting that I have experienced. We must break through soon or face the consequences.”

By the end of the day 11 SS Panzer Corps had made limited progress as a series of Soviet counter-attacks had prevented it from breaking through Red Army defences. Vatutin used the same strategy of counter-attack and containment against XLV111 Panzer Corps.

At dawn on 8 July Grossdeustchland led the attack of XLV111 Panzer Corps. It encountered a Soviet counter-attack of 40 T-34s at Syrstevo which initially forced it pull back. Undeterred it regrouped and launched a series of devastating blows which captured Syrtsevo early afternoon after some hand to hand fighting. Sasha Reznikova, a Red Army infantryman recalls the relentless nature of the German attackers, ‘I have to say that the Germans were extremely tenacious-our equals in that regard. They did not give up and we knew they wouldn’t.’

In the afternoon Grossdeustchland fought a bloody battle against an unrelenting group of a large group of T-34s in the village of Gremutsch. Major Peter Frantz, commander of a group of German assault guns, described the battle:

“The Soviet commanders attacked time and time again. Their wireless traffic showed that they had orders to break open the German line regardless of the cost. Seven times the Russians attacked. ... After three hours, 35 wrecked tanks littered the battlefield, smouldering. Only five T-34s, all of them badly damaged, limped away from the smoking arena to seek shelter in a small wood.”

By early evening the tanks of Grossdeustchland had reached Verkhopenye after fending off a series of Soviet counter-attacks on its flanks. It was unable to take its objective due to a resolute steadfast defence by the Soviet garrison as one eyewitness describes:

“Ferocious, unparalleled tank battles ensued on the flats of the steppe, on hills, in gorges, gullies and ravines, and in settlements ...The scope of the battle was beyond all imagination. Hundreds of panzers, field guns and planes were turned into scraps of metal. The sun could barely be seen through the haze of smog from thousands of shells and bombs that were exploding simultaneously.”

The battle continued through the night as low flying Soviet bombers repeatedly bombed the exposed positions of German troops.

General Vatutin, commander of the Voronezh Front, ordered the defenders of Verkhopenye to withdraw during the night of 8-9 July to prevent the unnecessary destruction of his

remaining troops. They were ordered to establish new defences north of Oboyan. Vatutin feared that Fourth Panzer Army was close to a breakthrough and ordered several fresh tank brigades and anti tank regiments to support the 31st Tank Corps, remnants of the 3rd Mechanized Corps along with the 309th Rifle Division to hold the Germans long enough as the Red Army prepared a large armoured counter-attack around Prokhorovka.

On the advice of Vatutin the Stavka ordered the 5th Guards Tank Army, with its 593 tanks, to positions west of Prokhorovka along the line of the Psel river. Meanwhile, the 5th Guards Army, with its 80,000 men, was ordered to take up positions along the Psel river from Oboyan to Prokhorovka. The picture was completed with 69th Army being directed to take up the defence of the Prokhorovka-Lipovyi Donest river sector between the 7th Guards Army and 6th Guards Army.

Vatutin also prepared forces, comprising several tank corps, which would launch counter attacks against the German flanks as they advanced towards Prokhorovka.

Despite considerable losses and the slow pace of the advance Field Marshall Manstein remained optimistic that, 'The prospects for a breakthrough remained good.' However, General Hoth, the commander of the Fourth Panzer Army was becoming increasingly alarmed by reports of 'considerable Soviet armoured forces' being concentrated on both the right and left flanks of German forces. This led to a conference of the top German commanders on the evening of 8 July as to how to proceed.

The conference decided that 4th Panzer Army was to continue its advance towards Oboyan and Kursk with maximum air support pledged and later received. The advance would lose some of its combat strength as the Grossdeustchland, 3rd Panzer and 332d Infantry Division were diverted to protect the vulnerable left flank.

On 9 July the remaining 283 tanks and assault guns of 11 SS Panzer Corps resumed their attack with intensive support from the Luftwaffe. The daily sortie rate increased to over 1,500 double that of the Soviet air force. The northern thrust of Leibstandarte Adolf Hitler and Totenkopf divisions along with 11th Panzer pushed Soviet forces back to Kochetovka and reached the Psel river.

Meanwhile, Das Reich division renewed its assault along the Prokhorovka road making little progress in the face of attacks by the Soviet 2d Tank Corps and 5th Guards Corps. However, it was the lack of progress of 111 Panzer Corps in the south and XXXXV111 Panzer Corps north-west towards Novoselovka which led to a fundamental change in German plans. The lack of progress towards Oboyan led to the fateful decision to shift the focus of the main attacks towards Prokhorovka.

Vatutin observing the lack of German progress towards Oboyan moved strong forces to his right flank which pinned down the Grossdeustchland, 3d Panzer and the 255th and 332d Infantry Divisions. This ensured they would no longer play a part in the German drive towards Kursk.

He also understood the threat to his plans from an advance by 111 Panzer Corps in the

south. On 9 July this corps had been ordered by Manstein to keep Hoth's flank free by intercepting the Soviet 5th Guards Army and prevent it from linking up with Katukov's 1st Tank Army. Its failure to do so would have dire consequences for the Wehrmacht at the battles for Prokhorovka.

In light of the drive towards Oboyan being thwarted and the threats to his left and right flanks Hoth made fundamental changes to his plans. According to Glantz and House the commander of Fourth Panzer Army 'fatally altered his plans' by shifting the axis of attack north-eastward towards Prokhorovka. They contend that Hoth believed that the 11 SS Panzer Corps had sufficient combat strength to smash the Soviet tank forces gathered around Prokhorovka which would unlock the advance of 111 Panzer Corps in the south thus opening up a new if longer route to Kursk.

At this point in the battle Soviet generals were confident they had blunted the Nazi juggernaut. The German 9th Army had been completely contained in the northern shoulder of the salient. Within days the Soviet Western and Bryansk Fronts would launch their counteroffensives towards the German controlled Orel salient. The Fourth Panzer Army's advance towards Oboyan had been effectively halted. The Soviet 1st Tank Army had limited Hoth's advance to a mere 25 kilometres and taken very heavy casualties in doing so.

Now the focus of Operation Zitadelle would move to the east. The three elite divisions of the 11 SS Panzer Corps were moving towards a head on collision with the 5th Guards Tank Army. The scene was set for the largest tank battle in history at Prokhorovka.

The tank battle at Prokhorovka 10-15 July

Thousands of miles away developments in the Mediterranean cast a dark shadow over the German offensive as British and American forces landed on the southern coast of Sicily. Despite this news Hitler ordered Zitadelle to continue even though he knew that Germany lacked the reserves to fight on two fronts. Glantz and House have commented that, '... the Sicilian invasion ultimately helped doom Operation Citadel.'

As the Battle of Kursk reached its climax around 400 German tanks would do battle with 1,250 Soviet tanks along the long eastern flank of the salient. Meanwhile, about 572 tanks met in combat in the fields of Prokhorovka. Glantz and House have argued that the tank battles around Prokhorovka, which have assumed legendary status as single titanic struggle, should be seen as a:

"... confused and confusing series of meeting engagements and hasty attacks, with each side committing its forces piecemeal."

Totenkopf with 103 tanks and assault guns would attack the town from the north while LAH and Das Reich with 77 and 95 tanks and assault guns respectively would advance from the south towards Prokhorovka. Both approaches to the town were defended by the 5th Guards Tank Army whose forces also sought to stop the advance of the 111 Panzer Corps from the Belgorod region.

Just as important to the outcome of the overall battle was the struggle between XXXXV111 Panzer Corps on the left flank and the reinforced 1st Tank Army between 10-14 July. This

almost forgotten struggle prevented XXXXV111 Panzer Corps from supporting the lunge towards Oboyan and the north-east strike towards Prokhorovka.

Advance on Prokhorovka

On 10 July much of the battlefield was turned to mud due to torrential rains which left many German armoured vehicles stuck and easy targets for Soviet bombers. The Red Air force also focused its attention on bombing Luftwaffe airfields such as the one at Belgorod.

Senior German commanders such as General Wisch of the LAH expected the 11 SS Panzer Corps to cover the nine miles to Prokhorovka and capture it within a day. However, many ordinary SS soldiers had more realistic views of the battle to come. Heinrich Huber later recalled, 'We did not underestimate the defenders before Prokhorovka for they were as motivated as we were. I did not expect the battle to be anything other than frenzied – I was not disappointed.'

Totenkopf opened the attack and reached the Psel river and engaged in a bout of hand to hand fighting with Soviet infantry. The Red Army put a fierce resistance as men from the 290th Guards Rifle Regiment retreated across the river. Soviet infantryman Anatoli Abalakov noted the intensity of the fighting which cost Totenkopf hundreds of casualties:

"The scene along the banks of the Psel was carnage, sheer carnage. We had been told to stop the Germans from crossing the river at all costs and we threw everything we had at them ... The bastards just kept coming at us. Our artillery gave some support and we fought them between the falling shells. German artillery opened up and then Stukas arrived. It was grim remorseless stuff. The sort of fighting that a soldier hopes he will never be involved in because survival is very unlikely ... When we were eventually overwhelmed, I swam to the north bank [of the river Psel] I was exhausted ... I scrambled up the muddy bank and headed for a position that I knew existed ... Shells, mortar rounds and rounds were striking the ground all around me as I ran. How I was not hit I do not know. I was relieved to reach the position where I was pulled over some sandbags. Then, having fought with my bare hands against the SS monsters, swum a river and run the gauntlet through fire, an officer admonished me for withdrawing without permission and losing my rifle!"

This battle delayed Totenkopf's crossing of the Psel river and gave the Red Army time to prepare its defences along the northern bank of the river. It also had the effect of delaying the attack of LAH until late morning.

By the end of the day Totenkopf had crossed the river after a ferocious bloody fight. As LAH and Das Reich advanced during the day they were subjected to numerous counter-attacks by Soviet tank forces.

By evening LAH fallen short of its objective and was five miles away from Prokhorovka. Even worse for Manstein was the fact that the 111 Panzer Corps remained 22 miles away from Prokhorovka leaving the 11 SS Panzer Corps effectively alone in its attempts to take the town.

In the evening of 10 July another conference of senior German commanders exposed deep pessimism amongst some as to the future of the offensive. General Kempf suggested that Zitadelle being brought to an end. Even Field Marshall Manstein raised the question of how

wise it was to continue the attack considering heavy German casualties and the movement of large Soviet tank formations towards Prokhorovka. Apparently, Hoth commander of 4th Panzer Army, argued that the offensive should continue with the objective of destroying the enemy south of the Psel river. In the absence of any order from Hitler to stop the offensive the assembled commanders had no option but to proceed.

According to Lloyd Clark it was clear to Manstein at this point that Zitadelle could not succeed and that his intention was to use his tank formations to defeat the 5th Guards Army thereby weakening the Red Army in the south.

On 11 July despite the pessimism of General Kempf his units, led by 6th Panzer Division, broke through Soviet defences north-east of Belgorod and were advancing full pelt towards Prokhorovka. On the same day on the left flank Grossdeustchland inflicted heavy casualties on the Soviet 1st Tank Army which was forced to retreat. This elite unit was then ordered to support the attack north towards Oboyan leaving the defence of the German left flank to the depleted 3rd Panzer Division.

Aware of the vulnerability of the German left flank Vatutin gathered the 10th Tank Corps and several other fresh units with the objective of striking into Hoth's left flank. One T-34 loader Lev Drachevsky of the 178th Tank Brigade recalls being told by his commander that the upcoming strike into the German left flank was, '... an attack which would bring an end to his offensive in this sector ...'

During 11 July the 5th Guards Tank Army prepared its defensive positions around Prokhorovka as 11 SS Panzer Corps resumed its advance towards the town. As LAH advanced it encountered numerous counter attacks from companies of T-34s. Its advance was further slowed when it came up against a very deep and wide anti tank ditch which was defended by paratroopers from the elite 9th Guards Airborne Division with tanks from 5th Guards Army behind them.

By midday the anti tank ditch had been bridged and LAH advanced towards the taking of Hill 252.2 after which it would only have two miles to reach Prokhorovka. By 1700 hours this hill and the Oktiabrskii State Farm had been taken. However, Das Reich and Totenkopf needed to move alongside the Leibstandarte Adolf Hitler division before the frontal assault on Prokhorovka could begin.

During the evening of 11 July General Hausser, commander of the 11 SS Panzer Corps, gave orders for the corps to take Prokhorovka the next day. The XLV111 Panzer Corps was also expected to resume its advance towards Oboyan. Field Marshall Manstein expected the Fourth Panzer Army to not only take Oboyan and Prokhorovka but also to inflict a resounding 'defeat' on Soviet armoured forces.

German commanders were unaware that Vatutin had given orders for the 5th Guards Tank Army in cooperation with 5th Guards Army and 1st Tank Army to 'destroy the enemy in the Kochetovka, Pokrovka and Greznoye regions' and to not permit them 'to withdraw in a southern direction'.

The scene was set for the decisive encounter between German and Soviet armour as Hitler was becoming increasingly concerned by the Allied invasion of Sicily and the subsequent need to divert some panzer divisions west to contain this threat. Lloyd Clark has observed, 'A pivotal moment in the Second World War had arrived.'

As dawn broke on 12 July soldiers on both sides were aware that a decisive moment in the battle was upon them. Johannes Brauer, driver of an SS armoured troop carrier, recalls, 'It wasn't until dawn on 12 July that one could properly see the surrounding area and the mass of vehicles and troops being drawn up around us. One could only guess that something big was in the offing.'

The 294 tanks of 11 SS Panzer Corps were to advance into a Soviet counter-attack comprising the 616 Soviet tanks of the 5th Guards Tank Army. Soviet armoured units were vigorously supported by additional Katyusha and artillery regiments whose primary focus was on the centre of the battlefield where the 18th and 29th Tank Corps faced the SS Leibstandarte Adolf Hitler division. Soviet infantryman Mansur Abdulin later recalled the heavy concentration of Red Army artillery:

"Neither before nor since had I seen so much artillery. The commanders of artillery units, with their guns of different calibres, had a hard time finding firing positions from which they could fire without disturbing their neighbours. There was not enough space for the gunners on the battlefield!"

At dawn on 12 July General Rodmistrov, commander of the 5th Guards Tank Army, was on the verge of letting loose his tanks but his plan to seize the initiative was thwarted when the 11 SS Panzer Corps struck first. At 0600 hours German bombers attacked Red Army positions and the LAH tank regiment began its advance. Red Army infantryman Pavel Krylov, like so many others, was surprised by the intensity of the German attack:

"I do not know what our trench was hit by, but just as we were about to attack we noticed Stukas preparing to attack. I did not see an aircraft dive towards us but moments after a warning was yelled, the ground in front of us levitated. It was like a giant had grabbed the battlefield and shaken it. I was knocked to the ground, but was dragged to my feet and the platoon was told to look to its front and stand firm...Shells continued to drop all around us and then I saw, to my absolute horror, a dense line of enemy tanks approaching like a tidal wave about to break on top of us."

Within hours of launching their attack all three SS divisions ran into a 'cyclone of fire' from Soviet artillery and then they ran into the Red Army's counter attack. Wary of the 88mm guns on German Tiger tanks Soviet armour had been given orders to engage in close combat with enemy tanks to catch the Germans unawares and allow their 76mm guns to do damage to enemy armour.

However, instead of a surprise attack German panzers spotted a great cloud of dust approaching them. Company tank commander of the 1st SS Panzer Regiment of the LAH division, Rudolf von Ribbentrop, son of Nazi Germany's Foreign Minister Joachim Ribbentrop, later wrote of his encounter with the Soviet 29th Tank Corps:

"A purple wall of smoke arose into the air, produced by smoke shells. It meant: 'Tank

warning!' The same signals were to be seen all along the crest of the slope ...

Everything became immediately clear: beyond the hill, still out of sight of those in the valley, a major Soviet armoured attack was underway ...

The small valley extended to our left, and as we drove down the slope we spotted the first T-34s, which were apparently attempting to outflank from the left.

We halted on the slope and opened fire, hitting several of the enemy. A number of Russian tanks were left burning. For a good gunner 800 metres was a good range.

As we waited to see if further enemy tanks were going to appear, I looked around, as was my habit. What I saw left me speechless. From beyond the shallow rise about 150-200 metres in front of me appeared fifteen, then thirty, then forty tanks. Finally, there were too many to count. The T-34s were rolling towards us at high speed, carrying mounted infantry."

Vasili Bryukhov, a T-34 commander in the 29th Tank Corps describes the chaotic nature of this armoured clash:

"The distance between the tanks was below 100 metres – it was impossible to manoeuvre a tank, one could just jerk it back and forth a bit. It wasn't a battle it was a slaughterhouse. We crawled back and forth and fired. Everything was burning. An indescribable stench hung in the air over the battlefield. Everything was enveloped in smoke, dust and fire, so it looked as if it was twilight ...Tanks were burning, trucks were burning."

Bryukhov's tank was eventually hit but he survived the encounter:

"My tank was hit. A round flew in from nowhere and hit the driving sprocket and the first road wheel. The tank stopped, turned to the side a bit. We immediately bailed out and sneaked into a shell crater. The situation didn't favour the repair of the tank. That was Prokhorovka! ... I got into another tank, but that was destroyed after a while. The round hit the engine, the tank caught fire, and we all bailed out. We hid in shell crater and fired at German infantry and the crews of their knocked out tanks."

As this battle unfolded to the left of 1st SS Panzer Regiment its 13th company ran into sixty T-34s and a bloody three hour battle ensued. The divisional history of the LAH captures the savagery of the fighting:

"They attacked us in the morning. They were around us, on top of us, and between us. We fought man to man, jumping out of our foxholes to lob our magnetic hollow charge grenades at the enemy tanks, leaping on our Schuetpanzerwagens to take on any enemy vehicle or man we spotted. It was hell! At 09.00 hours the battlefield was once again firmly in our hands. Our Panzers helped us mightily. My Kompanie alone had destroyed fifteen Russian tanks."

As Glantz and House have noted similar scenes of ferocious fighting took place all along the front of the 11 SS Panzer Corps but particularly in the sector of the LAH. It was repeatedly hit by waves of Red Army tanks and mounted infantry from the 9th Guards Airborne Division.

As the battlefield descended into chaos and confusion there were hundreds of small conflicts between opposing groups of armour. T-34 driver Anatoly Volkov later recalled:

“The noise, smoke and dust of battle were extremely trying. Despite wearing protectors my ears were extremely painful from the constant firing of the gun. ... The atmosphere was choking. I was gasping for breath with perspiration running in streams down my face. It was a physically and mentally difficult business being in a tank battle. We expected to be killed at any second and so were surprised after a couple of hours of battle that we were still fighting – still breathing!”

Panzer commander Ribbentrop has also described the difficult situation facing tank crews in such combat:

“On the smoke and dust shrouded battlefield, looking into the sun, it would be impossible for our crews to distinguish us from a Russian tank. I repeatedly broadcast our code name, ‘All stations; This is Kunibert! We are in the middle of the Russian tanks! Don’t fire on us!’”

German tanks crews had the huge advantage in that they were all fitted with radios enabling a more flexible command whereas Soviet tanks faced the bewildering situation where only the command tank had a radio. As Clark has observed this enabled panzer crews, ‘to out-think and out-fight their more numerous enemy.’

In several places overwhelming numbers enabled Soviet armour to break through German positions. One German observer of the battle later recalled:

“We found ourselves taking on seemingly inexhaustible masses of enemy armour – never have I received such an overwhelming impression of Russian strength and numbers as on that day ... Soon many of the T-34s had broken past our [panzer] screen and were streaming like rats all over the battlefield.”

German anti tank guns were expected to hold the line after Soviet armour broke through panzer positions. SS gunner Mutterlose has described his encounter with Soviet tanks:

“We saw the turret of a very slow moving T-34 that was advancing out of a hollow. ... I heard the bright clear command of our battery officer, SS-Untersturmführer Protz: ‘Fire!’ The first round thundered from our gun and then we heard the report of the neighbouring piece. But it looked like we had missed ... At that point it was all over for our two guns. Before the gunners could reload, the barrels of the leading T-34s turned towards us and without even making a firing halt, they poured high-explosive shells into our firing positions. It seemed like every foxhole was individually shelled. ... We saw horror struck, what had gone on around us. Death had reaped a rich harvest. Eight comrades lay there, all of them dead. Ghastly! Their bodies shredded! Two gunners were torn into unrecognizable fragments. All of those alive had been wounded.”

Panzer grenadiers supported German guns as they fought off advancing waves of Soviet tanks:

“SS-Unterscharführer Erhard Knofel reported later:

“We were singled out by a T-34 which rammed [our half track]. We put our hollow charges to use, some of which failed in the tumult. SS-Untersturmführer Wolff knocked

out a tank in the melee. He lay shoulder to shoulder with us but the day was long yet. Then we became involved with Soviet mounted infantry...self propelled guns began 'reaping' with direct fire from the anti tank ditch. The Soviet attack began to falter. All hell broke loose; jets of flame and tank turrets flew through the air. But we took losses too ... I was shot in the thigh while in the kneeling position tending to a wounded man. I removed my pistol belt and applied a dressing to the wound and then looked for cover. I found a hole nearby and was about to jump in, but what did I see? Two pairs of fear-filled eyes staring at me, the crew of a knocked out enemy tank, unarmed like me."

On 12 July in the fields west of Prokhorovka German and Red Army infantry and tanks attacked and counter attacked each other through ruinous anti tank fire. Glantz and House have observed that although Soviet tank brigades failed to make any breakthroughs they could claim to have halted the German attack on Prokhorovka. This came at a calamitous price for certain formations such as the 29th Tank Corps which lost well over a hundred tanks during the day.

Lloyd Clark has observed that on 12 July in the central sector of the battle the Battle of Prokhorovka had come to reflect the wider Battle of Kursk, 'It has become a slogging match but with a difference - rather than the Germans doing the attacking, it was the Soviets.'

The Luftwaffe on this day enjoyed air supremacy over the Prokhorovka battlefield inflicting heavy casualties on Soviet troop concentrations. Soviet air power was deployed in force on attacking the German flanks. Vatutin believed that by attacking the 111 Panzer Corps on the right and XLV 111 Panzer Corps on the left then the 5th Guards Tank Army would be able to contain the direct assault of 11 SS Panzer Corps on Prokhorovka.

As SS Leibstandarte Adolf Hitler Division advanced on Prokhorovka its right flank was left exposed due to Soviet counter attacks against SS Das Reich Division. The vigorous offensive of the Soviet 2nd Guards Tank Corps prevented Das Reich from joining the eastward thrust of LAH. A series of tank and infantry attacks caused great frustration for commanders in Das Reich which had to deploy forces from other sectors to fend off Red Army attacks on its right flank. Das Reich was forced to deploy 50 T-34s, which had been captured from a tank factory in Kharkov, to fend off Red Army counter attacks. During the fighting German gunners focused on the command tank of Soviet tank formations as this was the only tank which had a radio receiver and transmitter. Once this command tank was knocked out it left the remaining tanks leaderless and vulnerable in battle.

Comments from several German commanders, illustrate this growing frustration with Soviet counter attacks:

"Heavy fighting developed on the right flank of Das Reich Division. There the Soviet 11 Guards Tank Corps repeatedly attacked from the gap between Hauser's [11 SS Panzer Corps] and Breith's divisions [111 Panzer Corps] which had not yet arrived. That accursed gap!"

Sylvester Stadler, who was a regimental commander in Das Reich, later recalled in exasperation, "The Russians attacks on our flanks are tying down our effectives and taking the steam out of our operation against the enemy at Prokhorovka."

The Soviet 11 Guards Tank Corps had to halt its counter attacks later in the day due to the

advance of 111 Panzer Crops along the Northern Donets. The tank corps was forced to despatch one of its brigades to contain this new German threat in the south.

During 12 July the 5th Guards Tank Army contained the direct thrust of the 11 SS Panzer Corps on Prokhorovka by LAH and Das Reich but to the north of these divisions the SS Totenkopf was advancing north-east of Prokhorovka. Totenkopf made progress against the 95th and 42nd Guards Rifle Divisions crossing the Psel river and forcing the 5th Guards Army onto the defensive when its mission was to destroy the advancing German division. Anatoli Abalakov of the 290th Guards Rifle Division described the fighting that day as 'unrelenting and bloody'. He later recalled:

"The enemy advanced with great fervour, desperate to take the high ground which we defended. Our orders were 'To The Last Man', never words that we wanted to hear as we knew that we were in for a terrible time ... We managed to hold the assault for a while, but eventually we were forced back. Heavy artillery fire and dive-bombing by Stukas made the position untenable – but we had caused the Nazis casualties and did not collapse ... That afternoon the Panzers moved forward, but our guns hit the bridgehead hard and caused many problems for the Germans trying to organise themselves."

The 24th Guards Tank and 10th Guards Mechanised Brigades of the 5th Guards Army were thrown into the attack and halted the advance of Totenkopf's 3rd SS Panzer Regiment which was five and a half miles north east of Prokhorovka. General Rodmistrov of the 5th Guards Tank Army later wrote, 'The decisive movement of these brigades ... and the decisiveness of their meeting blow against the penetrating Hitlerite tanks stabilized the situation.'

By the end of the July 12 Totenkopf has lost half of its tanks (it had roughly 50 panzers left) and was faced by two brigades from the 5th Guards Tank Army comprising 200 tanks who had been tasked with its destruction the next day. This Soviet force was supplemented by the 6th Guards Airborne Division which marched overnight to join the attack on the 13 July.

Lloyd Clark has commented that 12 July was the decisive day in the battle for Prokhorovka. The Red Army had used its superior resources in terms of men, artillery, planes and tanks in an attritional battle which negated the Germans greater tactical ability:

"By the end of 12 July, Manstein's offensive ambitions had been dealt a serious blow. As heavy rain turned the battlefields and rear areas into a quagmire, the German field Marshall was left ruminating on a day when his left flank crumbled and 11 SS Panzer Corps had been fought to a standstill."



Zhukov with Ivan Konev, commander of the Steppe Front, during the Battle of Kursk (Licensed under CC BY 4.0)

Concerned by the heavy losses of 5th Guards Tank Army Stalin despatched Zhukov to take charge of 'coordinating the Steppe and Voronezh Fronts.' These losses led to 5th Guards Tank Army being ordered to build new defensive positions west of Prokhorovka during the night of 12-13 July as sporadic fighting continued all evening.

On 13 July LAH resumed its attack and found the ground hard going after heavy rain the day before. It mounted a two pronged attack with its remaining armour which comprised 50 tanks and 20 assault guns. Rotmistrov used his massed artillery to destroy these German advances which lasted an hour before grinding to a halt. SS-Oberschutze Rudi Bauermann later recalled how deeply echeloned Soviet defences supported by devastating artillery fire repelled the attack:

"There seemed to have been little change in the state of play since 5th July. The enemy were well dug in and our attempts to engage him were foiled by minefields and well positioned anti tank guns ... We panzer grenadiers tried to infiltrate the line, but came under heavy machine gun fire which pinned us down. A tank must have seen what was happening and came over to lend some fire support. Half of the platoon moved in behind it as there was so little ground cover, but were soon flooding back to our position when the tank rolled over a mine and shed a track ... The crew bailed out and joined us in a shell crater. 'That's the fourth time that I've been hit by a mine since the start of' [Zitadelle] the commander said to me, 'but I'd rather be in a tank than out here with you lot!'

Totenkopf faced an even worse fate on 13 July as concerted counter attacks by the Soviet 33rd Guards Rifle Corps, 10th Guards Mechanized Brigade and 24th Guards Tank Brigade

forced it to retreat back to Hill 226.6 to avoid encirclement and destruction. Soviet success came at a high cost in numbers of T-34s destroyed but they succeeded in removing Totenkopf from its tactically important position north-east of Prokhorovka.

German misery on July 13 was completed by the failure of 111 Panzer Corps to link up with Das Reich. Heavy air raids by the Soviet air force together with artillery stopped the advance of the corps which proved to be a massive disappointment for Manstein and Hitler.

By this point in the battle the German 9th Army had already begun withdrawing units from the Kursk salient to counter the Soviet offensive on the Orel salient. Oboyan and Prokhorovka were still in Soviet hands.

Worse still was the news that the western Allies had landed in Sicily on 12 July. Worried that Mussolini would be overthrown and that Italy would drop out of the war Hitler was forced to call off Zitadelle on 13 July and send German armour west to contain the expected invasion of the Italian mainland. At a meeting with Kluge and Manstein on 13 July Hitler said that he had to call off Zitadelle as he had not other forces with which to contain the Allied invasion of Italy. At the meeting Manstein forced a compromise on Hitler whereby Zitadelle would be closed down in the north while 11 SS Panzer Corps would continue until it had achieved 'its aim of smashing the enemy's armoured reserve' in the form of the 5th Guards tank Army and the 1st Tank Army. Alongside this, a third of V111 Air Corps would be sent north to support the 2nd Panzer Army counter the Red Army attack on the German held Orel salient.

Following this meeting Manstein ordered 11 SS Panzer Corps and the 111 Panzer Corps to renew their assault on 14 July with the aim of encircling Soviet forces in the Northern Donets.

On 14 July Das Reich made impressive gains as its advance ended they day just four miles south of Prokhorovka. Unperturbed, Zhukov remained firm in his belief that the Germans would be forced to withdraw as a result of the widening Soviet offensives across several fronts. His strategy was to tempt German forces to 'burn themselves out.'

On the same day 111 Panzer Corps broke out of its bridgehead and advanced in the face of very determined resistance by Soviet forces. It was impressed upon Red Army units that they 'must stop the panzers at all cost.' They fought a fighting retreat in the face of the advance of 111 Panzer Corps which finally linked up with Das Reich on 15 July. However, by this time 111 Panzer Corps was exhausted by ten days of intense fighting and merciless bombardment by the Soviet air force. It faced five Soviet armoured and infantry corps and was unable to progress further.

At this point, Manstein finally accepted that the German offensive in the south of the Kursk salient had failed. He was aware that the Red Army showed no signs of collapse, had many fresh divisions to call upon and had launched an offensive to the north against the German held Orel salient. By contrast German divisions were exhausted and had no reinforcements to call upon.

After 15 July Army Group South was confined to making preparations for a withdrawal from the salient at the same time as having to hold off Soviet counter attacks. On 17 July 11 SS Panzer Corps was ordered to withdraw to assembly areas around Belgorod as the forces of the Soviet South-western and Southern Fronts launched an offensive along the Northern Donets river and along the Mius river. These offensives in the south would be accompanied

by offensives against Army Group Centre further north. Collectively, these offensives would drive Army Group South out of the Donbass region and back across the Dnieper river and lead to the liberation of major cities such as Smolensk, Briansk, Belgorod, Kharkov and Kiev.

German retreat accompanied by genocidal crimes

During its retreat Army Group South carried out a deliberate scorched earth policy overseen by Manstein. This genocidal policy, which involved putting numerous towns and cities to the torch and the forced deportation of hundreds of thousands of civilians many of whom died from starvation, was declared in a Wehrmacht directive to German troops on 2 September 1943:

“In all of the following activities it must be assumed that the entire Donetsk Basin east of the Cherepakha position must be evacuated and completely destroyed (...). In addition to the removal of machinery and valuables, attention should mainly be paid to the export of grain.

The cattle must be herded to the west (...). Food, consumer goods (scarce commodities) and fuel may not be distributed to the local population. Anything that cannot be taken out is to be destroyed (...). Destruction should not be done at the last moment, when the troops are already fighting or retreating, but in time, so that the teams allocated for destruction can be fully used.”

On 7 September Himmler sent the following genocidal message to SS security units in the Donbass and ordered their cooperation with German infantry units in the area. Himmler directed that in order for his directive to be carried out:

“not a human being, not a single head of cattle, not a hundredweight of cereals and not a railway line remain behind; that not a house remains standing, not a mine is available which is not destroyed for years to come, that there is not a well which is not poisoned. The enemy must really find completely burned and destroyed land”.

In September 1943 as the Red Army advanced in southern Russia General Vatutin, commander of the Vornezh Front, urged his men forward with the exhortation, “They are burning the bread, we must attack.”

By October 1943 the Red Army had breached the Panther line defences of Army Group South leading to the isolation of the German 17th Army in Crimea.

Conclusion

The German defeat at Kursk was the last major German offensive in the Soviet Union and marked the beginning of the Wehrmacht’s head long retreat across Ukraine and later Belorussia.

In recent years a small group of revisionist historians (Germans Karl-Heinz Frieser and Roman Toppel) in the West have tried to rewrite the history of Kursk claiming that the Red Army did not win a victory at the Battle of Prokhorovka. Indeed they go further and argue that Prokhorovka was a ‘clear German victory’.

These incredible assertions fly in the face of the failure of the German offensive to reach its

operational goals. All of the senior German commanders involved in Zitadelle later acknowledged the decisive nature of the defeat at Kursk.

General von Mellenthin, commander of the XXXXV111 Panzer Corps which fought at Kursk, later admitted that this battle was the “greatest armoured onslaught in the history of war” and that the German attack on the salient was a “veritable death ride for virtually the whole of the operational reserve was to be flung into this supreme offensive.”

General Gottfried Heinrici, commander of the German 4th Army later admitted:

“The troops and their leaders had made extreme efforts to see that the attack had a chance of succeeding. However, the strength of the three Russian fronts ... and their defensive readiness insured that the attack must fail unless the Russian troop leadership or the morale of the Russian troops had completely collapsed.”

Field Marshall Manstein, commander of Army Group South, later lamented:

“And so the last German offensive in the east ended in fiasco, even though the enemy opposite the two attacking armies of the Southern Army Group had suffered four times their losses in prisoners, dead and wounded.”

On one level Manstein was correct. Soviet losses were far greater than those of the Germans. Lloyd Clark estimates that the Red Army suffered 177,847 casualties, around 1,600 armoured vehicles and 460 aircraft damaged/destroyed. Meanwhile, German losses were around 56,827 casualties and losses of 252 tanks and 159 aircraft.

However, in the attritional war that was the Eastern Front the ability to replace losses was more important than the losses suffered. The Soviet planned economy had greatly outstripped its German counterpart in terms of productive capacity. The German historian Friesner has observed:

“It was not by tank duels that the Battle of Kursk – or even the Second World War – was won, but by the production battle in the factories ... The German Reich had lost the production battle long before the first shot was fired at Kursk in July 1943.”

Richard Overy in book *Russia's War* has also noted the importance of the Soviet economy, despite the shortages of food, labour and destruction caused by the German occupier, ‘to out-produce its seemingly more prosperous enemy’ as a vital factor in the defeat of the Wehrmacht.

German losses in manpower and materials during the Battle of Kursk rendered the Wehrmacht incapable of resisting the Soviet offensives which followed the battle. This impact on the German army was recognized by General Heinz Guderian, Inspector General of Armoured Troops for the Wehrmacht, who had helped create the armoured formations used in the German offensive. He later admitted that: ‘We had suffered a decisive defeat.’

It is important to see the Soviet victory at Kursk not just in terms of German failures of which there were many. These include over ambitious objectives for Zitadelle, failures of German intelligence to reveal the massive accumulation of Soviet reserves east of Prokhorovka, an under appreciation of the depth of Red Army defences, too great a reliance on untried ‘wonder weaponry’ such as Tigers and Panthers, a lack of any appreciable

reserves and finally a grave underestimation of Soviet fighting abilities.

Anthony Beevor, author of the book Stalingrad, has noted that Kursk should be seen as notable success for the Red Army, 'The Red Army had proved once again the dramatic improvement in the professionalism, the morale of its soldiers and the effective application of force.'

Glantz and House in their account of Kursk support Beevor's analysis when they comment:

"The elaborate, deeply echeloned defences around Kursk and artful Soviet deployment and commitment of mobile reserves had made the Soviets the first force to halt a blitzkrieg offensive. It is true that the Germans played into Soviet hands by attacking at such an obvious location, yet it still required remarkable self-confidence for Vatutin and Rokossovky, and the other Soviet commanders to wait calmly while the German juggernaut prepared to do its worst. When the worst came, Soviet numerical superiority, the stubborn tenacity of the Soviet soldier, the improved combat skill of his commanders and the Soviets ability to sustain staggering losses spelled doom for Citadel."

At Kursk the Red Army leadership displayed their skills at combined arms warfare where they out fought and out manoeuvred their enemy.

The consequences of the German defeat at Kursk were to have far reaching consequences for the outcome of World War Two. Marshall Zhukov in his memoirs reflected, "The defeat of the main grouping of German troops in the Kursk area paved the way for the subsequent wide-scale offensive operations by Soviet forces to expel the Germans from our soil completely ... and ultimately to crush Nazi Germany."

Winston Churchill, an instigator of the Cold War who had a pathological dislike of the Soviet Union, wrote in his history of World War Two that:

"These immense battles of Kursk, Orel and Kharkov, all within the space of two months, marked the ruin of Germany on the Eastern Front. Everywhere they had been outfought and overwhelmed. ... Stalingrad was the end of the beginning, but the Battle of Kursk was the beginning of the end."

*

Note to readers: Please click the share button above. Follow us on Instagram and Twitter and subscribe to our Telegram Channel. Feel free to repost and share widely Global Research articles.

Dr. Leon Tressell is a regular contributor to Global Research.

Suggested Reading

Lloyd Clark, Kursk The Greatest Battle

John Erickson, The Road To Berlin

David Glantz and Jonathan House, The Battle of Kursk

David Glantz and Jonathan House, When Titans Clashed How The Red Army Stopped Hitlerite

Vasily Grossman, A Writer At War with the Red Army 1941-1945

Richard Overy, Russia's War

Valeriy Zamulin and Stuart Britton, The Battle of Kursk: Controversial and Neglected Aspects

Featured image: A Raupenschlepper Ost, designed in response to the poor roads of Russia, moves materiel up shortly before the Kursk offensive. (Licensed under CC BY-SA 3.0 de)

The original source of this article is Global Research
Copyright © [Dr. Leon Tressell](#), Global Research, 2023

[Comment on Global Research Articles on our Facebook page](#)

[Become a Member of Global Research](#)

Articles by: [Dr. Leon Tressell](#)

Disclaimer: The contents of this article are of sole responsibility of the author(s). The Centre for Research on Globalization will not be responsible for any inaccurate or incorrect statement in this article. The Centre of Research on Globalization grants permission to cross-post Global Research articles on community internet sites as long the source and copyright are acknowledged together with a hyperlink to the original Global Research article. For publication of Global Research articles in print or other forms including commercial internet sites, contact: publications@globalresearch.ca

www.globalresearch.ca contains copyrighted material the use of which has not always been specifically authorized by the copyright owner. We are making such material available to our readers under the provisions of "fair use" in an effort to advance a better understanding of political, economic and social issues. The material on this site is distributed without profit to those who have expressed a prior interest in receiving it for research and educational purposes. If you wish to use copyrighted material for purposes other than "fair use" you must request permission from the copyright owner.

For media inquiries: publications@globalresearch.ca