

FENDT 500 Gen 3 Maintenance Schedule
(s/n prefix 439, 440, 441, 442)

March 13, 2023
Revision

Job Description	Operating Hours					Part Number	Quantity	Unit	Description
	50	500	1000, 3000, 5000, 7000, 9000	1500, 2500, 3500, 4500, 5500, 6500, 7500, 8500	2000, 4000, 6000, 8000, 10000				
Engine									
Clean debris from exhaust pipe area to prevent fires during DPF regeneration		X	X	X	X	-	-	-	
Complete stationary regeneration using Serdia BEFORE changing oil		X	X	X	X	-	-	-	
Check screws on exhaust shields on upright pipe	X	X	X	X	X	-	-	-	Tighten or replace if necessary
Check the engine oil level	X	X	X	X	X	-	-	-	
Change engine oil filter		X	X	X	X	72662762	1	ea.	
Change engine oil		X	X	X	X	NOTE A	11.3	litres.	AGCO 10W40
Engine oil drain plug seal		X	X	X	X	72439876	1	ea.	Not used on units with No-Spill drainers installed
Change fuel filter			X		X	72663546	1	ea.	Prior to engine s/n 12656423
Change fuel filter			X		X	72666152	1	ea.	Effective engine s/n 12656986
Change Fuel prefilter			X		X	72609142	1	ea.	
Change DEF filter		X	X		X	72488703	1	ea.	
Change DEF sensor filter					X	ACP0338340	1	ea.	
Change DEF sensor filter clip					X	ACP0338341	1	ea.	
Change DEF sensor filter o-ring					X	ACP0338342	1	ea.	
Change DEF breather & blowout hose					X	72484191	1	ea.	
Check air intake system connections and clamps	X	X	X	X	X	-	-	-	
Replace primary air filter			X		X	72618399	1	ea.	
Replace secondary air filter					X	72626308	1	ea.	
Clean radiator and coolers	X	X	X	X	X	-	-	-	
Check coolant level	X	X	X	X		79037044C	-	-	NOTE F
Check cooling system for leaks	X	X	X	X	X	-	-	-	
Change engine coolant					X	79037044C	4	jugs	NOTE F (holds 31.2 litres)

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Engine (continued)									
Adjust engine valve clearance					X				Valve cover gasket is reusable
Transmission									
Check transmission oil level	X	X	X	X		NOTE B	-	-	AGCO 821 Extended Life
Replace transmission oil					X	NOTE B	28	litres.	AGCO 821 Extended Life
Transmission drain plug seal					X	72315106	1	ea.	Not used on units with No-Spill drainers installed
Replace transmission pressure filter	X		X		X	72659254	1	ea.	
Transmission filter o-ring	X		X		X	72313495	1	ea.	
Replace transmission suction filter					X	72317861	1	ea.	
Transmission suction filter o-ring					X	72313505	1	ea.	
Check rear final drive oil level	X		X	X		-	-	-	
Change rear final drive oil		X			X	NOTE C	20	litres.	80W90 (10 L per side)
Rear final drive seals		X			X	72315105	4	ea.	Not used on units with No-Spill drainers installed
Front PTO (if equipped)									
Check oil level in front PTO	X		X	X		NOTE B	-	-	AGCO 821 Extended Life
Change oil in front PTO		X			X	NOTE B	3.5	litres.	AGCO 821 Extended Life
Front PTO oil drain plug seal		X			X	72315104	2	ea.	
Replace front PTO filter		X			X	72317842	1	ea.	
Replace front PTO filter o-ring		X			X	72376561	1	ea.	
Front Axle									
Check front axle oil level		X		X		NOTE C	-	-	80W90
Change front axle oil	X		X		X	NOTE C	8.2 & 0.5	litres.	80W90 & LS Additive (1889891M4)
Front axle oil drain plug seal	X		X		X	72315103	2	ea.	Not used on units with No-Spill drainers installed
Check front axle final drive oil level		X		X		-	-	-	
Change front axle final drive oils	X		X		X	NOTE C	1.4	litres.	80W90 (0.7 L per side)
Front axle final drive oil drain plug seal	X		X		X	72312103	2	ea.	

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Hydraulic System									
Check the hydraulic oil level	X	X		X		NOTE B	-	-	AGCO 821 Extended Life
Replace hydraulic oil			X		X	NOTE B	69	litres.	AGCO 821 Extended Life
Hydraulic oil drain seal			X		X	72313433	1	ea.	Not used on units with No-Spill drainers installed
Replace hydraulic return filter			X		X	72611457	1	ea.	
Replace hydraulic tank breather			X		X	72312079	1	ea.	
Replace hydraulic control filter			X		X	72493246	1	ea.	
Clean external pressure supply sieve filter					X	-	-	-	
Drain coupler ecology bottle	X	X	X	X	X	-	-	-	
Cab									
Replace fresh air filter		X	X	X	X	72442539	1	ea.	
Replace recirculating air filter		X	X	X	X	72442541	1	ea.	
Replace recirculating air filter		X	X	X	X	72617151	1	ea.	
Clean the A/C condenser	X	X	X	X	X	-	-	-	
Check the A/C system operation	X	X	X	X	X	-	-	-	
Check the A/C compressor belt	X	X	X	X	X	-	-	-	
Check the cab mount hardware	X	X	X	X	X	-	-	-	
Fill window washer reservoir	X	X	X	X	X	-	-	-	Refill as needed
Compressed Air System (if equipped)									
Drain water from air system	X	X	X	X	X	-	-	-	
Compressed air function test	X	X	X	X	X	-	-	-	
Replace air dryer cartridge			X		X	72631214	1	ea.	
Reset air volume using Fendias			X		X	-	-	-	

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Electrical System									
Check lighting and signaling system and all monitoring and warning systems for correct operation	X	X	X	X	X	-	-	-	
Check software version and update if necessary	X	X	X	X	X	-	-	-	
Read out and record diagnostic memory and remedy faults	X	X	X	X	X	-	-	-	
General									
Tighten wheel & weight hardware to specifications	X	X	X	X	X	-	-	-	
Check for loose hardware and linkages and check for leaks	X	X	X	X	X	-	-	-	
Check tire pressure	X	X	X	X	X	-	-	-	
Lubricate all grease points	X	X	X	X	X	79014728B	1	ea.	NOTE E
Test drive for functions and braking	X	X	X	X	X	-	-	-	

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Lubricants and Oils Guide for Fendt Maintenance Schedule

NOTE A: AGCO 10W40.
Jug (3.78L) = ACP0437320
Pail (18.9L) = 72625950
Bulk (in shop) = ACP0566470L
Bulk (lube truck) = ACP0566470LT

NOTE B: AGCO Permatran 821XL Plus Extended Life:
Jug (9.46L) = n/a
Pail (18.9L) = 79036577
Bulk (in shop) = 79035451L
Bulk (lube truck) = 79035451LT

NOTE C: AGCO Gearlube 715 (80W-90):
Jug (9.46L) = 79014722
Pail (18.9L) = n/a
Bulk (in shop) = 79014723L
Bulk (lube truck) = 79014723LT

NOTE D: AGCO Gearlube 775 (85W-140):
Jug (9.46L) = 79014724
Pail (18.9L) = n/a
Bulk (in shop) = 79022322L
Bulk (lube truck) = 79022322LT

NOTE E: AGCO Multi Purpose EP-2 Lithium II: 79014728B

NOTE F: Only use approved antifreeze when topping up or refilling.