

FILTER OVERVIEW WITH SERVICE INTERVALS AND CAPACITIES

(-765000) S-Series Combines S550, S660, S670, S680, S690

DIESEL PARTICULATE FILTER (DPF)

NOT REQ'D. NON IT4 ENGINE (S550)

[RE542183](#) (S660, S670)

[RE541836](#) (S680, S690)

Check Every 4500 hours or Diagnostic Trouble Code (DTC) is generated.

ENGINE FUEL FILTERS

[RE522878](#) (FINAL S550)

FUEL WATER SEPARATOR PRE-FILTER

[RE529643](#) STANDARD (S550)

FUEL WATER SEPARATOR PRE-FILTER

[R502778](#) STANDARD (S660 - S690)

FUEL WATER SEPARATOR PRE-FILTER

[N378886](#) PREMIUM (S550 - S690)

[RE525523](#) (FINAL S660 - S690) TIER 2

[RE532952](#) PRIMARY (S680 - S690) TIER 2

[RE539465](#) PRIMARY (S660 - S690) IT4

[RE533910](#) SECONDARY (S660 - S690) IT4

Replace fuel filters every 400 hours.

ENGINE, AIR, SECONDARY

[AH212295](#) (S550)

[HXE11091](#) (S660 - S690)

[AH212295](#) (S690) S. N (-745100)

Change Secondary filter only with Primary filter. Change or replace after 400 hours as required with Primary Air Filter.

ENGINE OIL FILTER

[RE504836](#) (S550)

[RE509672](#) (S660, S670)

[RE572785](#) (S680, S690)

Minimum hours before first engine oil change is 100 hours. Extended engine oil change every 500 hours or annually, whichever come first. The extended 500 hour interval is only allowed if using Plus-50™ II oil with a John Deere filter and diesel fuel with sulfur content less than 15mg/kg (15ppm). If all conditions are not met, change oil and filter at 250 hours of operation.

(Click here for [capacity](#))

ENGINE, AIR, PRIMARY

[AH222225](#) (S550)

[HXE11090](#) (S660 - S690)

[AH222225](#) (S690) S.N (- 745100)

Clean or Replace every 400 hours and as required.

DIESEL OXIDATION CATALYST

NOT REQ'D. NON IT4 ENGINE (S550)

[RE541813](#) (S690)

HYDRAULICS (OPEN CENTER)

HYDRAULIC/MAIN ENGINE GEAR

CASE FILTER [AH128449](#) (S550, S660, S670, S680, S690)

HYDRAULICS (CLOSED CENTER)

(FILTER IN RESERVOIR)

[AXE12964](#) (S680, S690)

[AL203061](#) (S690) S. N (-745100)

Filter change interval for all three filters is 400 hours.

(Click here for [capacity](#))

HYDROSTATIC CHARGE FILTER

(CLOSED CENTER)

[AN207368](#) (S680, S690)

(OPEN CENTER W/ProDrive™)

[AN207368](#) (S670)

(OPEN CENTER W/O ProDrive™)

[AH128449](#) (S550, S660, S670)

Replace every 400 hours.

(Click here for [capacity](#))

CAB

FRESH AIR FILTER

[RE284091](#)

[AH115833](#) STANDARD, (S690)

[AH168783](#) HEAVY DUTY, (S690)

Clean or replace every 50 hours and as required.

RECIRCULATION AIR FILTER

[L214634](#)

[H220870](#) (S690) S.N (-745100)

Clean or replace every 200 hours and as required.

ProDrive™ FILTER (S670, S680, S690)

[AH128449](#)

Replace after first 100 hours, then every 400 hours.

(Click here for [capacity](#))



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Genuine Parts and Service

[http://www.deere.com/en_US/parts/parts by industry/ag/fmi/filter maintenance information.page](http://www.deere.com/en_US/parts/parts%20by%20industry/ag/fmi/filter%20maintenance%20information.page)

CAPACITIES

(-765000) S-Series Combines S550, S660, S670, S680, S690

CAPACITIES (Approximate):

Fuel Tank:

S550	757 L (200 gal)
S660, S670	950 L (250 gal)
S680, S690	1,250 L (330 gal)

Cooling System with Heater:

Cool-Gard™ II

S550	43 L (11.4 gal)
S660, S670	53 L (14 gal)
S680, S690(IT4)	85 L (22.45 gal)
S680, S690(Tier 2)	61.2 L (16.16 gal)

Engine Crankcase with Filter:

Plus-50™ II

S550	32 L (8.5 gal)
S660, S670	27.5 L (7.3 gal)
S680, S690 (IT4)	43 L (11.4 gal)
S680, S690 (Tier 2)	39 L (10.30 gal)

Transmission:

GL-5

S550, S660, S670	9.6 L (2.53 gal)
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Final Drives:

GL-5

All Models	8 L (2.11 gal)
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Countershaft Drive Gearcase:

GL-5

All Models	1.2 L (0.31 gal)
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Heavy-Duty Feeder House Reverser Gearcase w/out Cooler:

ISO VG 460 Fully Synthetic

S550, S660, S670	2.3 L (0.60 gal)
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Heavy-Duty Feeder House Reverser Gearcase with Cooler:

ISO VG 460 Fully Synthetic

S550, S660	3.5 L (0.92 gal)
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Extra Heavy-Duty Feeder House Reverser Gearcase without Cooler:

ISO VG 460 Fully Synthetic

S680, S690	3.6 L (0.95 gal)
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Multi-Speed Feeder House Reverser with Cooler (Optional):

ISO VG 460 Fully Synthetic

S670, S680, S690	5.2 L (1.37 gal)
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Extra Heavy-Duty Feeder House Reverser Gearcase with Cooler:

ISO VG 460 Fully Synthetic

S660, S670	4.9 L (1.29 gal)
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Loading Auger Gearcase:

GL-5

All Models	3.8 L (1 gal)
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Two Speed Separator Drive Gearcase:

GL-5

S550	2.4 L (0.63 gal)
S660 - S690	4.7 L (1.24 gal)

Engine Gearcase with Transfer:

Hy-Gard™

S550, S660	21.3 L (5.6 gal)
S670 (Non ProDrive™ Machines)	21.3 L (5.6 gal)
S670, S680, S690 (ProDrive™ Machines)	51 L (13.5 gal)

Premium Overshot Beater Gearcase (if equipped):

GL-5

All Models	0.2 L (0.05 gal)
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Hydraulic/Hydrostatic Reservoir:

Hy-Gard™

S550	35 L (9.2 gal)
S660, S670	31 L (8.2 gal)
S680, S690	47 L (12.4 gal)

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