

# 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.

### 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](#))

### 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)

Fill Crankcase with seasonal viscosity grade oil or Torq-Gard™ Supreme (250 hours change interval). If using Plus-50™ oil and a John Deere™ filter, the service interval can be extended by 50 percent. Example: 250 hours extends to 375 hours.

Interim Tier 4/Stage III B engines require Plus-50™ II engine oil or a API CJ-4, ACEA E9, ACEA E6 certified oils.

(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.

### 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](#))



**JOHN DEERE**

Genuine Parts and Service

March 2019. Subject to change without notice.

[http://www.deere.com/en\\_US/parts/parts\\_by\\_industry/ag/fmi/filter\\_maintenance\\_information.page](http://www.deere.com/en_US/parts/parts_by_industry/ag/fmi/filter_maintenance_information.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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