FILTER OVERVIEW WITH SERVICE INTERVALS AND CAPACITIES

S700 Series Combines S760, S770, S780, S785, S790

ENGINE
MAIN ENGINE GEARCASE FILTER (ProDrive™ Transmission)
AH128449
Replace within first 100 hours and every 400 hours

CAB
RECIRCULATION AIR FILTER
L214634
Clean or replace every 200 hours and as required.
Quantity 2

CAB
FRESH AIR FILTER
RE284091
Clean or replace every 50 hours and as required.
Quantity 2

HYDRAULIC
MAIN ENGINE GEARCASE LUBRICATION FILTER (ProDrive™ Transmission)
AH128449
Replace within first 100 hours and every 400 hours.

ENGINE
PRIMARY AIR FILTER
HXE11090

SECONDARY AIR FILTER
HXE11091
Check every 400 hours. Service Primary Air Filter when engine air filter restricted indicator is shown on display. Check safety filter for plugging.

ENGINE
PRIMARY FUEL FILTER (FT4/Stage V Engine)
RE539465

SECONDARY FUEL FILTER (FT4/Stage V Engine)
RE533910
Replace every 400 hours and when performance decline is noticed or Diagnostic Trouble Code (DTC) is generated.

ENGINE
MAIN ENGINE GEARCASE FILTER
CE19990
Replace within first 100 hours and every 400 hours

ENGINE
OIL FILTER
(S760, S770)
RE509672
(S780, S790)
RE572785
See Operator Manual for recommended service intervals.
(Click here for capacity)

HYDRAULIC/HYDROSTATIC/ TRANSMISSION
HYDRAULIC RETURN FILTER
(S760, S770)
AT129775.
Replace every 400 hours.

ENGINE
DIESEL EXHAUST FLUID (DEF) DOSING FILTER
RE554498
Replace every 4500 hours or every three years of operation, whichever occurs first.

ENGINE
DIESEL EXHAUST FLUID (DEF) TANK VENT FILTER (FT4/Stage V Engine)
H216169

FUEL TANK VENT FILTER
H216169
Clean every 250 hours and replace every 400 hours.

ENGINE
DEBRIS MANAGEMENT AIR FILTERS (FT4/Stage V Engine)

PRIMARY
AXE42066
Clean or change as required.

SECONDARY
AXE42065
Never clean the safety filter. Change if dirty. Change Secondary filter only with Primary filter. Change as required with Primary filter.

ENGINE
DIESEL PARTICULATE FILTER (DPF)
(S760, S770)
DZ100174
(S780, S785, S790)
DZ100175
See yourJohn Deere™ dealer or qualified service provider.

ENGINE
FUEL PRECLEANER FILTER
R502778
Inspect every 10 hours, clean every 50 hours and every 400 hours or when Diagnostic Trouble Code (DTC) is generated.

HEAVY-DUTY FUEL PRECLEANER FILTER (OPTIONAL)
N378886
Back flush when bowl is half full or when Diagnostic Trouble Code (DTC) is generated. Clean after every fifth back flushing. Replace when light is no longer visible when filter is held up to light.

HYDRAULIC/HYDROSTATIC/ TRANSMISSION
HYDROSTATIC DRIVE PUMP FILTER (ProDrive™ Transmission)
AN207368
Replace every 400 hours.

HYDROSTATIC CHARGE PUMP FILTER (Non-ProDrive™ Transmission)
AH128449
Replace every 400 hours
.
HYDRAULIC RETURN FILTER (Reservoir)(S780, S790)
AXE12964
Replace every 1000 hours.

JOHN DEERE
Genuine Parts and Service

Mar 2021. Release Date.

https://www.deere.com/en_US/parts/parts_by_industry/ag/fmi/filter_maintenance_information.page

CAPACITIES

S700 Series Combines S760, S770, S780, S785, S790

CAPACITIES (Approximate):

Fuel Tank:
S760, S770, S780, S785, S790 ..... 950 L (250 gal)
S780, S785, S790 ..... 1,250 L (330 gal)

Cooling System with Heater:
Cool-Gard™ II
S760, S770 (Tier2/Stage II) ..... 53 L (14 gal)
S760, S770 (Final Tier 4/Stage V) ..... 53 L (14 gal)
S780, S785, S790 (Tier 2/Stage II) ..... 61.2 L (16.3 gal)
S780, S785, S790 (Final Tier 4/Stage V).... ..... 85 L (22.5 gal)

Engine Crankcase with Filter:
Plus-50™ II
S760, S770 (Tier 2/Stage II and FT4/Stage V) ..... 27.5 L (7.3 gal)
S780, S790 (Tier 2/Stage II).. ..... 39 L (10.3 gal)
S780, S785, S790 (Final Tier 4/Stage V) ..... 43 L (11.4 gal)

Transmission (Mechanical Shift and Push Button Shift Machines):
GL-5
S760, S770 ..... 9.6 L (10.1 qt)

Engine Gearcase with Transfer (Mechanical Shift and Push Button Shift Machines):
Hy-Gard™
S760, S770 ..... 21.3 L (5.6 gal)

Engine Gearcase with Transfer (ProDrive™ Machines):
Hy-Gard™
S760, S770, S780, S785, S790 ..... 51 L (13.5 gal)

Final Drives:
GL-5
All Models (Single Wheel Configuration) ..... 8 L (2 gal)
All Models (Dual Wheel Configuration) ..... 23 L (6 gal)
S770, S780, S785, S790 (HillMaster™) ..... 7 L (1.8 gal)

Countershaft Drive Gearcase (Non-Multi-Speed):
GL-5
All Models ..... 1.9 L (2 qt)

Heavy-Duty Feeder House Reverser Gearcase without Cooler:
ISO VG 460 Fully Synthetic
S760, S770 ..... 2.3 L (2.4 qt)

Heavy-Duty Feeder House Reverser Gearcase with Cooler:
ISO VG 460 Fully Synthetic
S760 ..... 3.5 L (3.7 qt)

Extra Heavy-Duty Feeder House Reverser Gearcase without Cooler:
ISO VG 460 Fully Synthetic
S780, S785, S790 ..... 3.6 L (3.8 qt)

Extra Heavy-Duty Feeder House Reverser Gearcase with Cooler:
ISO VG 460 Fully Synthetic
S760, S770 ..... 4.9 L (5.2 qt)

Multi-Speed Feeder House Reverser Gearcase with Cooler (Optional):
ISO VG 460 Fully Synthetic
S770, S780, S785, S790 ..... 5.2 L (5.5 qt)

Loading Auger Gearcase:
GL-5
All Models ..... 3.8 L (4 qt)

Two Speed Separator Drive Gearcase:
GL-5
All Models ..... 4.7 L (5 qt)

Diesel Exhaust Fluid (DEF) Tank (Final Tier 4/Stage V):
John Deere™ Diesel Exhaust Fluid
All Models ..... 52.2 L (13.8 gal)

Premium Overshot Beater Gearcase (if equipped):
GL-5
S770, S780, S785, S790 ..... 0.2 L (0.2 qt)

Hydraulic/Hydrostatic Reservoir:
Hy-Gard™
S760, S770 ..... 31 L (8.2 gal)
S780, S785, S790 ..... 47 L (12.4 gal)