

FILTER OVERVIEW WITH SERVICE INTERVALS AND CAPACITIES

6R Series Row-Crop Tractors – 6140R, 6150R, 6150RH, 6170R, 6190R and 6210R

CAB

FRESH AIR FILTER - [AL220527](#)

Replace after every 1500 hours, or 2 years, or as required, or with Engine Primary Air Filter, whichever occurs first.

(Activated Carbon Kit) - [AL208648](#)

Never clean. Replace after every 500 hours or 1 year or with Engine Primary Air Filter, whichever occurs first.

CAB

RECIRCULATION AIR FILTER (QTY 2) W/ AC [L214634](#)

RECIRCULATION AIR FILTER (QTY 2) W/O AC [L205372](#)

Replace after every 1500 hours, or 2 years, or as required, or with Engine Primary Air Filter, whichever occurs first.

(Activated Carbon Kit) - [AL208648](#)

Never clean. Replace after every 500 hours or 1 year or with Engine Primary Air Filter, whichever occurs first.

HYDRAULIC

OIL FILTER

(6140R, 6150R) [AL169573](#)
AL169573 = 45 cm³

OIL FILTER

(6170R, 6190R, 6210R) [AL203341](#)
AL203341 = 60 cm³

Replace after first 100 hours, then after first 750 hours and every 750 hours thereafter. Change Transmission Oil Filter as well.

(Click here for [capacity](#))

TRANSMISSION

OIL FILTER

(AutoPowr™ / IVT™) [AL206482](#)

(Direct Drive W/O IVT™) [AL221066](#)

(PowrQuad™ W/O IVT™) [AL221066](#)

Replace after first 100 hours, then after first 750 hours and every 750 hours thereafter. Change Hydraulic Oil Filter as well.

(Click here for [capacity](#))

ENGINE

SECONDARY AIR FILTER [AL215054](#)

Replace at every fourth change of Primary Air Filter, or after 4500 hours or 5 years, whichever occurs first.

ENGINE

PRIMARY AIR FILTER [AL215053](#)

Replace after every 1500 hours or 2 years, whichever occurs first.

ENGINE

OPEN CRANKCASE VENTILATION (OCV) FILTER

(4045 IT4/FT4 ENGINE) [DZ105796](#)
(6068 IT4/FT4 ENGINE) [DZ105100](#)

Replace after every 1500 hours or 2 years, whichever occurs first.

ENGINE

OIL FILTER [RE539279](#)

Replace after first 100 hours, then after every 500 hours or annually, whichever occurs first.

The extended 500 hour interval is only allowed if using Plus-50™ II oil, JD OEM Oil Filter and diesel fuel with sulfur content less than 15mg/kg (15 ppm).

Change Oil and Filter after every 250 hours, if conditions are not met.

(Click here for [capacity](#))

ENGINE

PRIMARY FUEL FILTER (6140R, 6150R) [RE541922](#)

FINAL FUEL FILTER (6140R, 6150R) [RE541925](#)

FUEL FILTER KIT (6170R, 6190R, 6210R) [RE541746](#) (PRIMARY AND SECONDARY)

Replace after every 500 hours.

FRONT PTO

OIL FILTER [DE30500](#)

Replace every 500 hours.

ENGINE

DIESEL PARTICULATE FILTER (DPF)

(6140R, 6150R) [RE551148](#)

(6170R, 6190R, 6210R) [RE555087](#)

Replace within 250 hours after exhaust filter and warning light indicators are alerted on display.



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CAPACITIES

6R Series Row-Crop Tractors – 6140R, 6150R, 6150RH, 6170R, 6190R and 6210R

CAPACITIES (Approximate):

Fuel Tank:

Standard

6170R, 6190R, 6210R.....360 L (95.1 gal)

6140R, 6150R.....305 L (80.5 gal)

Optional

6170R, 6190R, 6210R.....405 L (107 gal)

6210R.....465 L (122.8 gal)

Cooling System:

Cool-Gard™ II

Engine cooling and cab heating28.2 L (7.4 gal)

Engine:

Plus-50™ II

Crankcase23.5 L (6.2 gal)

Transmission/Hydraulics:

Hy-Gard™

PowrQuad™ PLUS transmission

6170R, 6190R, 6210R.....71 L (18.8 gal)

6140R, 6150R.....63 L (16.6 gal)

AutoQuad™ PLUS transmission

6170R, 6190R, 6210R.....71 L (18.8 gal)

6140R, 6150R.....63 L (16.6 gal)

DirectDrive transmission

6170R, 6190R, 6210R.....75 L (19.8 gal)

6140R, 6150R.....62 L (16.4 gal)

IVT™ transmission

6170R, 6190R, 6210R.....81 L (21.4 gal)

6140R, 6150R.....75 L (19.8 gal)

Extra with creeper

6140R, 6150R.....1 L (0.3 gal)

Extra with additional oil reservoir

6170R, 6190R, 6210R.....28 L (7.4 gal)

6140R, 6150R.....21 L (5.6 gal)

Extra with TLS™ axle

6170R, 6190R, 6210R.....4 L (1.06 gal)

Front-wheel drive:

Hy-Gard™

Axle housing.....8.2 L (2.2 gal)

Final drives (without brake).....1.7 L (0.4 gal)

Final drives (with brake).....2.6 L (0.7 gal)

Air-conditioning system:

R 134a refrigerant.....1225 - 1275 g
(2.70 - 2.81 lb)

Oil volume (PAG oil).....220 ml (7.44 fl oz)

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*For complete recommended fluid specifications please refer to the current Operations Manual.

