

# FILTER OVERVIEW WITH SERVICE INTERVALS AND CAPACITIES

## 6R Final Tier 4 (FT4) Series Row-Crop Tractors – 6145R, 6155R, 6155RH, 6175R, 6195R and 6215R

### HYDRAULICS

#### OIL FILTER

[AL169573](#) – W/ 45 cm<sup>3</sup> PUMP  
[AL203341](#) – W/ 60 cm<sup>3</sup> PUMP

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](#))

### 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 750 hours or 1 year or with Engine Primary Air Filter, whichever occurs first.

### 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 750 hours or 1 year or with Engine Primary Air Filter, whichever occurs first.

### TRANSMISSION

#### OIL FILTER

(IVT™) [AL206482](#)  
 (Direct Drive™) [AL221066](#)  
 (PowrQuad™) [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

#### DIESEL PARTICULATE FILTER

[RE563694](#) (6175R, 6195R, 6215R S/N (-027000))  
[DZ100484](#) (6175R, 6195R, 6215R S/N (027001-))  
[RE565702](#) (6145R, 6155R, 6155RH S/N (-027000))  
[RE566731](#) (6145R, 6155R, 6155RH S/N (027001-))

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

### ENGINE

#### DIESEL EXHAUST FILTER

[RE554498](#)

Replace after every 4500 hours or 3 years, whichever occurs first.

### 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, or whenever the yellow caution light flashes and corresponding information appears in the CommandCenter™.



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

### ENGINE

#### OIL FILTER [RE539279](#)

Replace after first 100 hours and every 750 hours thereafter or annually.

The extended 750 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 500 hours, if conditions are not met.

(Click here for [capacity](#))

### ENGINE

#### CRANKCASE VENT FILTER

[DZ105100](#)

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

### ENGINE

#### PRIMARY FUEL FILTER

[RE551507](#) (6145R, 6155R)  
[RE551507](#) (6175R, 6195R, 6215R (S/N 027001-))

#### SECONDARY FUEL FILTER

[RE560681](#) (6145R, 6155R)  
[RE560681](#) (6175R, 6195R, 6215R (S/N 027001-))

#### FUEL FILTER KIT (PRIMARY & SECONDARY)

[RE556406](#) (6175R, 6195R, 6215R (S/N -027000))

Replace after every 750 hours.

### FRONT PTO

#### OIL FILTER [DE30500](#)

Replace after every 500 hours.

December 2018. Subject to change without notice.

# CAPACITIES

## 6R Final Tier 4 (FT4) Series Row-Crop Tractors – 6145R, 6155R, 6155RH, 6175R, 6195R and 6215R

### CAPACITIES (Approximate):

#### Fuel Tank:

6145R, 6155R, 6155RH .....	270 L (71.3 gal)
6175R, 6195R, 6215R.....	330 L (87.2 gal)

#### DEF Tank:

##### John Deere Diesel Exhaust Fluid™

6145R, 6155R, 6155RH .....	16 L (4.2 gal)
6175R, 6195R, 6215R.....	20 L (5.3 gal)

#### Cooling System:

##### Cool-Gard™ II

##### Engine cooling and cab heating

6145R, 6155R, 6155RH .....	27 L (7.1 gal)
6175R, 6195R, 6215R.....	28 L (7.4 gal)

#### Crankcase:

##### Plus-50™ II

.....	23.5 L (6.2 gal)
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#### Transmission/Hydraulics:

##### Hy-Gard™

##### PowrQuad™ PLUS Transmission

6145R, 6155R, 6155RH .....	63 L (16.6 gal)
6175R, 6195R, 6215R.....	71 L (18.8 gal)

##### AutoQuad™ PLUS Transmission

6145R, 6155R .....	63 L (16.6 gal)
6175R, 6195R, 6215R.....	71 L (18.8 gal)

##### DirectDrive Transmission

6145R, 6155R .....	62 L (16.4 gal)
6175R, 6195R, 6215R.....	75 L (19.8 gal)

#### IVT™ Transmission

6145R, 6155R.....	75 L (19.8 gal)
6175R, 6195R, 6215R.....	81 L (21.4 gal)

#### Front-wheel Drive:

##### Hy-Gard™

##### 2 Piece Front Axle

Axle housing (with TLS™).....	8.5 L (2.25 gal)
Axle housing (without TLS™).....	8.0 L (2.11 gal)
Final drives, per side (without brake).....	2.2 L (0.58 gal)
Final drives, per side (with brake).....	2.6 L (0.69 gal)

##### 3 Piece Front Axle

##### 6145R, 6155R, 6155RH

Axle housing (with TLS™).....	10.0 L (2.64 gal)
Axle housing (with TLS™, with brake).....	9.5 L (2.51 gal)
Axle housing (without TLS™).....	9.5 L (2.51 gal)
Final drives, per side (without brake).....	2.2 L (0.58 gal)
Final drives, per side (with brake).....	2.6 L (0.69 gal)

##### 3 Piece Front Axle

##### 6175R, 6195R, 6215R

Axle housing (with TLS™).....	11.8 L (3.12 gal)
Axle housing (without TLS™).....	10.3 L (2.72 gal)
Final drives, per side (without brake).....	1.8 L (0.48 gal)
Final drives, per side (with brake) (750 type Axle).....	2.2 L (0.58 gal)
Final drives, per side (with brake) (755 type Axle).....	2.3 L (0.61 gal)

#### Air-conditioning System:

R134a Refrigerant.....	1225 - 1275 g (2.70 - 2.81 lb)
Oil Volume (PAG oil).....	220 ml (7.44 fl oz)



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