

**CAPACITIES AND SPECIFICATIONS - 3.0L DIESEL**

Use oil and fluid that meets the defined specification and viscosity grade.

If you do not use oil and fluid that meets the defined specification and viscosity grade, it could result in:

- Component damage not covered by the vehicle warranty.
- Longer engine cranking periods.
- Increased emission levels.
- Reduced engine performance.
- Reduced fuel economy.
- Reduced brake performance.

**Air Conditioning System**

**⚠ WARNING:** The air conditioning refrigerant system contains refrigerant under high pressure. Only qualified personnel should service the air conditioning refrigerant system. Opening the air conditioning refrigerant system can cause personal injury.

**Capacities**

Variant	Refrigerant	Refrigerant Oil
All.	26 oz (.74 kg)	2.71 fl oz (80 ml)

**Materials**

Name	Specification
R-1234yf Refrigerant YN-33-A	WSS-M17B21-A
Motorcraft® R-1234yf Refrigerant PAG Oil YN-35	WSS-M2C300-A2

**Automatic Transmission**

**Note:** Automatic transmissions that require MERCON® ULV transmission fluid should only use MERCON® ULV transmission fluid. The use of any other fluid may cause transmission damage.

**Capacities**

Variant	Quantity
All.	13.3 qt (12.6 L)

Approximate dry fill capacity. Actual amount may vary during fluid changes.

**Materials**

Name	Specification
Motorcraft® MERCON® ULV Automatic Transmission Fluid XT-12-QULV	WSS-M2C949-A MERCON® ULV

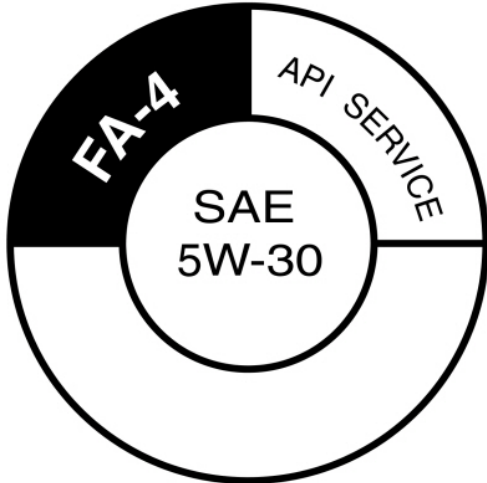
**Engine Coolant****Capacities**

Variant	Quantity
All.	13.7 qt (13 L)

**Materials**

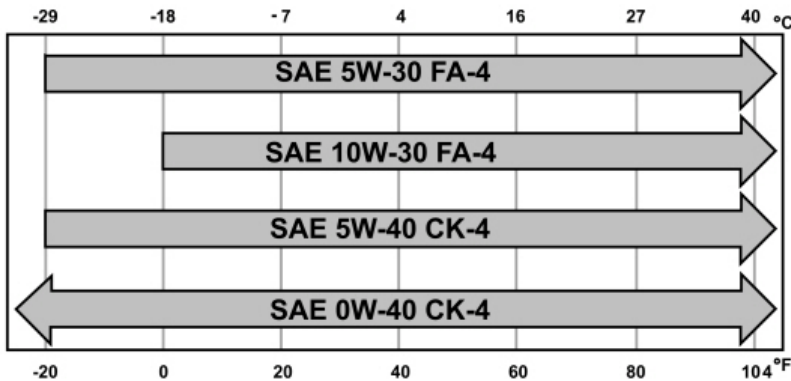
Name	Specification
Motorcraft® Yellow Prediluted Antifreeze/Coolant VC-13DL-G	WSS-M97B57-A2

**Engine Oil**



E258300

The American Petroleum Institute (API) service symbol is used to identify the proper engine oil for your engine. The API service symbol will be displayed on the oil container you purchase. The API symbol displays the oil performance category in the top half of symbol and the viscosity grade in the center of the symbol.



The use of correct oil viscosities for diesel engines is important for satisfactory operation. Determine which oil viscosity best suits the temperature range you expect to encounter for the next service interval from the following SAE viscosity grade chart.

**Note:** For severe duty service, use SAE 5W-40 API CK-4.

**Note:** For bio-diesel fuel blends (B20 max), use SAE 5W-40 API CK-4.

**Note:** An engine block heater is recommended at temperatures below -9°F (-23°C).

**Note:** Do not use supplemental engine oil additives because they are unnecessary and could lead to engine damage that your vehicle warranty does not cover.

**Capacities**

Variant	Including the Oil Filter
All.	6.5 qt (6.15 L)

**Materials**

Name	Specification
Motorcraft® SAE 5W-30 F-150 Diesel Motor Oil XO-5W30-QFA	WSS-M2C214-B1

### Fuel Tank

#### Capacities

Variant	Quantity
All.	26.0 gal (98.4 L)

### Diesel Exhaust Fluid Tank

#### Capacities

Variant	Quantity
All.	5.6 gal (21.3 L)

### Materials

Name	Specification
Motorcraft® Diesel Exhaust Fluid PM-27-GAL, PM-27-JUG	WSS-M99C130-A

### Grease

#### Materials

Name	Specification
Motorcraft® Premium Long-Life Grease XG-1-E1	ESA-M1C75-B
Motorcraft® Multi-Purpose Grease Spray XL-5-A	ESB-M1C93-B

### Hydraulic Brake System

#### Materials

Name	Specification
Motorcraft® DOT 4 LV High Performance Motor Vehicle Brake Fluid PM-20	WSS-M6C65-A2

**Note:** We recommend using DOT 4 Low Viscosity (LV) High Performance Brake Fluid or equivalent meeting WSS-M6C65-A2. Use of any fluid other than the recommended fluid could cause reduced brake performance and not meet our performance standards. Keep brake fluid clean and dry. Contamination with dirt, water, petroleum products or other materials could result in brake system damage and possible failure.

### Locks

#### Materials

Name	Specification
Motorcraft® Penetrating and Lock Lubricant XL-1	-

### Transfer Case

#### Capacities

Variant	Quantity
Four-wheel drive (Electronic Shift-on-the-Fly).	1.5 qt (1.4 L)
Automatic four-wheel drive (Torque on demand).	1.5 qt (1.4 L)
Two-speed automatic four-wheel drive (Mechanical Lock).	1.9 qt (1.8 L)

**Materials**

Name	Specification
Motorcraft® MERCON® LV Automatic Transmission Fluid XT-10-QLVC	MERCON® LV WSS-M2C938-A

**Front Axle****Capacities**

Variant	Quantity
Four wheel drive.	1.8 qt (1.7 L)

**Materials**

Name	Specification
Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant XY-75W85-QL	WSS-M2C942-A

**Rear Axle****Capacities**

Variant	Quantity
All.	2.7 qt (2.6 L)

**Materials**

Name	Specification
Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant XY-75W85-QL	WSS-M2C942-A

**Washer Reservoir****Capacities**

Variant	Quantity
All.	Fill as required.

**Materials**

Name	Specification
Motorcraft® Premium Windshield Wash Concentrate with Bitterant ZC-32-B2	WSS-M14P19-A

