



Section

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FLUIDS AND LUBRICANTS

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FLUIDS AND LUBRICANTS

Lubricants must have the correct properties for each application.

IMPORTANT:

The conditions of use for individual fluids and lubricants must be respected.

HYDRAULIC FLUID

CASE/AKCELA hydraulic fluid is specially designed for high pressure applications and for the CASE hydraulic system. The type of fluid to be used depends on the ambient temperature.

ENGINE OIL

The "CASE Tutela LE ENGINE OIL" is recommended for your engine. This oil ensures correct lubrication of your engine in all working conditions.

If the "CASE Tutela LE ENGINE OIL" cannot be obtained, use the oil corresponding to one of the following categories:

API CJ-4.

ACEA E6.

FLUIDS AND LUBRICANTS

FUEL

The fuel must conform to Interim Tier 4/Stage 3B Exhaust Gas Control Regulations.

Use grade number 2-D (S15) fuel.

Using other types of fuel may lead to stalled engine output or deterioration in fuel economy.

During cold weather (lower than -7°C), it is temporarily acceptable to use a mixture of No. 1-D (S15) and No. 2-D (S15).

Consult the fuel supplier or the CASE dealer.

If the temperature drops below the fuel cloud point, output deficiency or engine start problems may occur due to wax crystals.

Conditions applicable to diesel fuel

The diesel fuel used must:

- be free from dust particles, even minute ones,
- have the proper viscosity,
- have a high cetane number,
- present great fluidity at low temperatures,
- have low sulphur content,
- have very little residual carbon.

RECOMMENDED CONDITIONS THAT CAN BE APPLIED TO DIESEL FUEL

- JIS (Japanese Industrial Standards): No. 2
- DIN (Deutsche Industrie Normen): DIN 51601
- SAE-J-313C: SAE (Society of Automotive Engineers) based on No. 2-D (S15)
- BS (British Standards) based on BS/2869-1970: Class A-1
- EN 590 (less than 10 ppm sulfur)
- Or fuel specified by the country using these standards and this machine

IMPORTANT:

EPA regulation ultra low sulfur fuel only.

IMPORTANT:

If a serious problem occurs when other fuels are used, the warranty is invalidated.

Using a non-recommended fuel may lead to damage of the fuel injection pump, injector, DPD, and other fuel supply systems or to the engine.

CASE assumes no responsibility for these damages.

Note that the warranty will not be applied for these damages.

It is recommended that the following safety information be considered in order to prevent damage to the engine fuel supply system.

- Some fuel suppliers mix old engine oil and diesel fuel.

Makers of larger engine permit the use of this kind of fuel.

However, do not use diesel fuel contaminated with engine oil in customer's engines.

Not only will this fuel damage the engine, it may also have a negative impact on the exhaust gas purification function.

Before using diesel fuel, confirm with the supplier whether the fuel complies with the above specifications.

IMPORTANT:

Consult the supplier or the CASE dealer regarding appropriate use of fuel additives.

Do not use fuel oil or gasoline as these may damage the engine.

IMPORTANT:

In order to prevent condensation during cold weather, fill the fuel tank to full after the completing the day's work.



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Conversion Table

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