



Fuels and Lubricants

DIESEL FUELS

Diesel Fuel Specifications

IMPORTANT: Use diesel fuel ONLY.

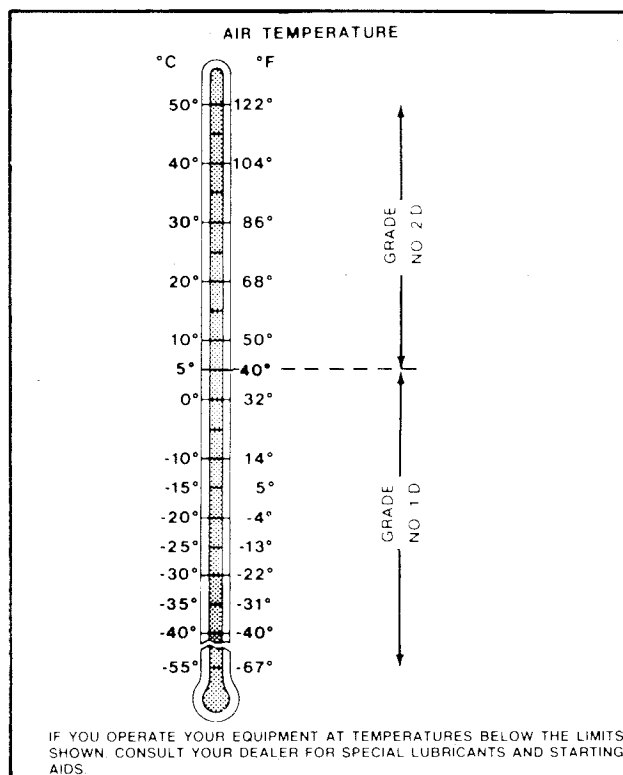
Use either Grade No. 1-D or Grade No. 2-D fuel as defined by ASTM Designation D975 for diesel fuels. Find expected air temperature at time of start on thermometer scale in chart. Correct diesel fuel grade is shown to the right of scale.

NOTE: At altitudes above 1500 m (5000 ft.) use Grade 1-D for all temperatures.

Fuel sulphur content should be less than 1.0 percent—preferably less than 0.5 percent. Diesel fuel having sulphur content higher than 1.0 percent may cause increased wear on metal engine parts because of acids produced by sulphur during combustion.

Cetane number should be no less than 40 to assure satisfactory starting and overall performance.

Cloud point should be at least 6°C (10°F) below lowest expected air temperature at time of starting. Wax can separate from fuel when temperature decreases to cloud point and may plug filter.



RW1366

Storing and Handling Fuel

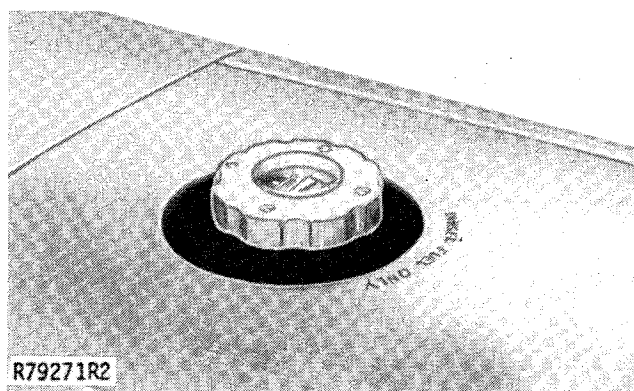
Buy good quality, clean fuel from a reputable supplier.

Proper fuel storage is critically important. Use clean storage and transfer tanks. Periodically drain water and sediment from bottom.

Avoid storing fuel over long periods of time. If there is a very slow turnover of fuel in the fuel tank or supply tank, it may be necessary to add a fuel conditioner to prevent water condensation. Contact your John Deere dealer for proper service or maintenance recommendations.

Store fuel in a convenient place away from buildings.

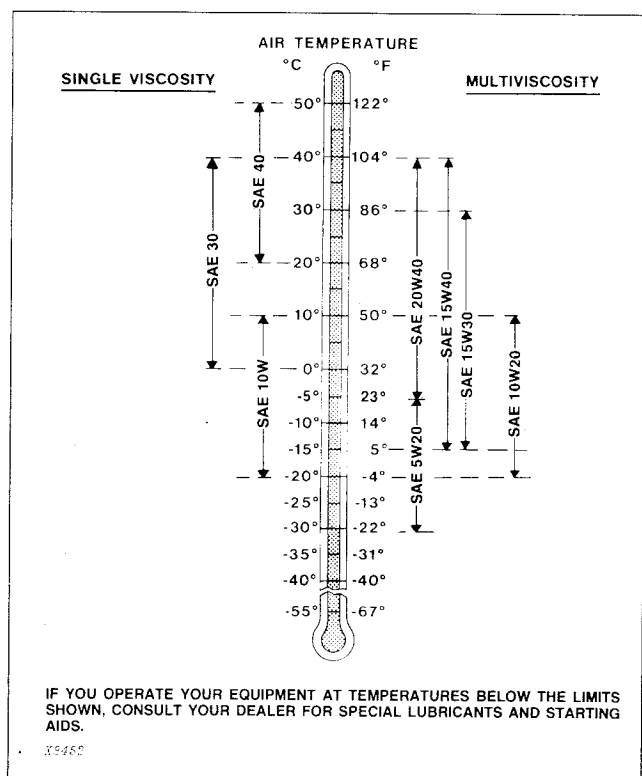
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Filling Fuel Tank

Fill fuel tank at end of each day's operation. This prevents condensation in tank as moist air cools. Capacity of fuel tank is 32 L (8.5 U.S. gal.).

LUBRICANTS



Engine Oils

John Deere TORQ-GARD SUPREME® engine oil is recommended. If other oils are used, they must be premium engine oils meeting performance requirements of:

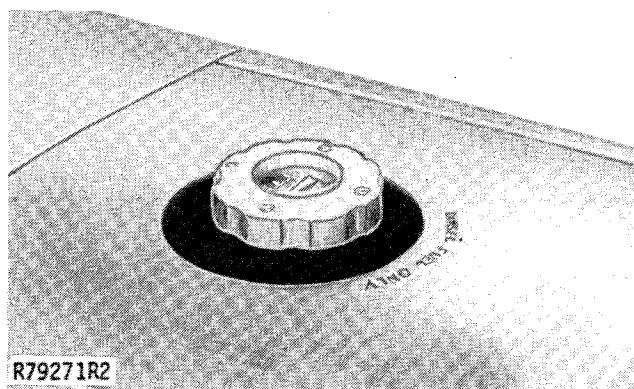
- API Service Classification
CD/SC
- Military Specification
MIL-L-2104C

For low temperature operation, where oils meeting the above requirements may not be available in appropriate viscosity grade, oils meeting the performance requirements of API Service Classification CC/SC or Military Specification MIL-L-46152 may be used, but at a shorter drain interval.

Quality engine oils are blended, so additives are neither required nor recommended.

NOTE: 1. If air temperature is below -10°C (11°F), use an engine heater. SAE 5W-20 oils may also be used to insure optimum lubrication of engine.

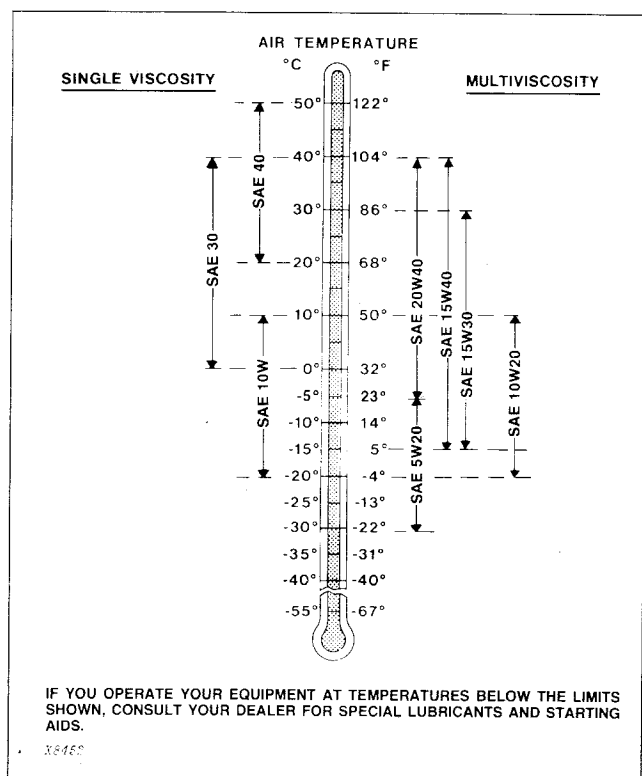
2. Some increase in oil consumption may be expected when SAE 5W-20 or SAE 5W oils are used. Check oil level more frequently.



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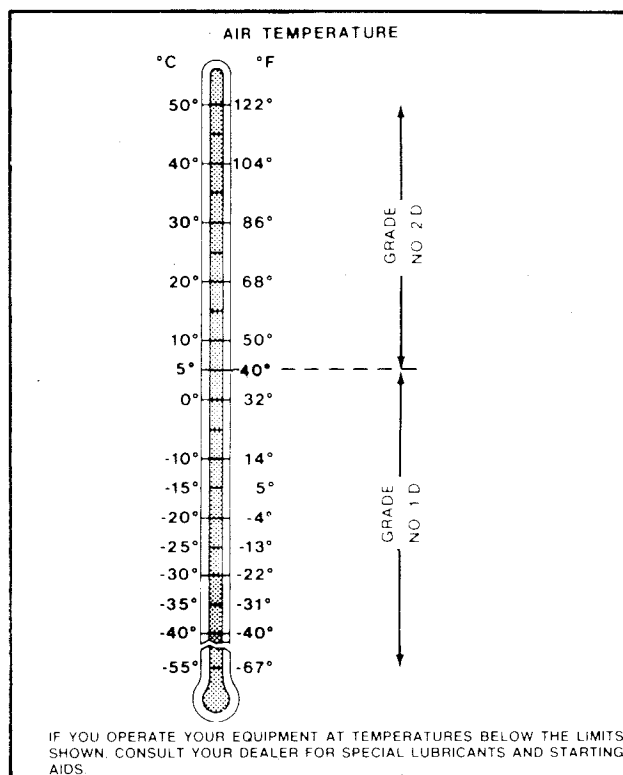
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