



HIGH-SPEED ENGINE OILS

Ursa[®] Extra Duty 40**Description**

Ursa Extra Duty is a low ash, monograde engine oil specifically formulated for heavy-duty, two-stroke diesel engines (Detroit Diesel). Manufactured from high-quality base oils and compounded with additives, Ursa Extra Duty provides outstanding lubrication of heavy-duty (turbo-charged), two-cycle diesel engines under the most severe operating conditions. It contains detergent/dispersant, antioxidation and antiwear additives. Ursa Extra Duty meets the API service classification CF2/CF and Detroit Diesel requirements. The low ash level minimizes the oil's contribution to combustion chamber deposits and valve deposits.

Typical Characteristics

SAE Viscosity Grade	40
Code	042935
Base number, mgkOH/g	7.3
Density at 15°C, kg/l	0.89
Flash point, COC, °C	240
Pour point, °C	-15
Sulphated ash, mass %	0.71
Viscosity, kinematic, mm ² /s (cSt)	
at 40°C	132
at 100°C	14.0
Viscosity index	103

Recommended Uses

Ursa Extra Duty is specifically recommended for use in heavy-duty (turbo-charged), high-speed, two-cycle engines operating under severe conditions where an API Service CF2/CF type oil is required. It may also be used to satisfy the requirements of medium and light-duty diesel engines, where oils meeting API CD are specified. Ursa Extra Duty may be used in transmissions, torque converters, final drives, differentials, hydraulics and compressors. Ursa Extra Duty may also be used in industrial applications such as gear drives, pump chains, or where a detergent engine oil is required. Ursa Extra Duty meets the Detroit Diesel requirements for two-cycle engines and meets the transmissions performance levels of Allison C4 and CAT TO-2.

Performance Benefits**1. Deposit Control**

The low ash content of the oil keeps deposits to a minimum in combustion chamber areas and on valve surfaces. The balanced additive combination controls deposits in severe low-temperature, intermittent operation and high-temperature, high load operation. Deposit control protects against ring sticking and results in efficient lubrication.

2. Antiwear Properties

Protects highly loaded parts from scuffing and wear during boundary lubrication conditions.

3. Oxidation Stability

Exceptionally resistant to oxidation.

4. Corrosion Protection

Protects all metal surfaces under the most severe conditions, effectively preventing excessive engine wear.