



# Ursa<sup>®</sup> Heavy Duty

## SAE 10W, 20W-20, SAE 30 and SAE 40

### Heavy duty monograde diesel engine lubricants

#### Product description

Ursa Heavy Duty SAE 10W, 20W-20, SAE 30 and SAE 40 are proven performance heavy duty monograde diesel engine lubricants, developed to conform with ACEA, API and original equipment manufacturers performance standards for heavy duty diesel engines.

These lubricants are formulated with premium quality base oils with a proven and reliable additive package, offering durable performance and protection.

#### Customer benefits

- Offers low temperature sludge build-up resistance and protection against high temperature oxidation and piston deposit formation
- Detergency and acid control performance help prevent engine and bearing corrosion, maintaining reliability and uptime
- Formulated to provide robust protection against wear and bore polishing, extending engine service life

#### Product highlights

- **Offers sludge, oxidation and piston deposit resistance**
- **Helps prevent engine and bearing corrosion**
- **Formulated for wear and bore polishing protection**

#### Selected specification standards include:

API	ACEA
MAN	Mercedes Benz
MTU	

## Applications

- Ursa Heavy Duty monogrades are developed for use in heavy duty engine operations, in both on and off highway service. They are designed for turbocharged and naturally aspirated diesel engines in various types of service including engines used in heavy-duty trucks, construction, mining and farming equipment. Ursa Heavy Duty monogrades can also be used – after consultation with the OEM manual – in some specific hydraulic systems and transmissions

## Approvals, performance and recommendations

### Approvals

- MAN M3275-2 (SAE 30 and 40)
- MTU Category 2 (SAE 30 and 40)

### Performance

- API CF
- ACEA E2 (SAE 30 and 40)
- Mercedes Benz MB 228.2 (SAE 30 and 40)

Typical test data					
Test	Test Methods	Results			
Viscosity Grade		SAE 10W	20W-20	SAE 30	SAE 40
<b>Shelf Life: 60 months from date of filling indicated on the product label</b>					
Density at 15°C, kg/l	ASTM D4052	0.867	0.873	0.875	0.875
Kinematic viscosity at 40°C, mm <sup>2</sup> /s	ASTM D445	39	59.5	87.1	115.5
Kinematic viscosity at 100°C, mm <sup>2</sup> /s	ASTM D445	6.6	8.6	10.8	13.6
Viscosity Index	ASTM D2270	125	118	117	115
Pour point, °C	ASTM D5950	-47	-36	-39	-29
Flash point COC, °C	ASTM D92	218	242	246	252
Sulphated Ash, %wt	ASTM D874	1.3	1.3	1.3	1.3

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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