



# Ursa<sup>®</sup> Heavy Duty

## SAE 15W-40 and SAE 20W-50

### Multigrade heavy-duty diesel oils

#### Product description

Ursa Heavy Duty SAE 15W-40 and SAE 20W-50 are heavy-duty multigrade engine oils, formulated to conform to ACEA, API and original equipment manufacturers performance standards for heavy-duty diesel engines.

Ursa Heavy Duty multigrades are formulated with premium quality base oils and with a proven additive package, offering robust and reliable performance and protection.

#### Customer benefits

- Promotes low temperature sludge resistance and high temperature oxidation and piston deposit formation protection
- Detergency performance and acid control help maintain reliability, preventing engine and bearing corrosion and downtime
- Robust wear and bore polishing protection contribute to extended engine service life

#### Product highlights

- **Promotes sludge and piston deposit resistance**
- **Offers engine and bearing corrosion protection**
- **Formulated to help resist bore polishing**

#### Selected specification standards include:

ACEA	API
MAN	Mercedes Benz
MTU	Volvo

## Applications

- Ursa Heavy Duty multigrades 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 SAE 15W-40 can also be used in mixed fleet (gasoline and diesel) engines
- Ursa Heavy Duty SAE 15W-40 and SAE 20W-50 also provide protection in engines where oils are recommended meeting the former CCMC D4, PD2 and G4

## Approvals, performance and recommendations

### Approvals

- MAN M3275-1
- Mercedes Benz MB-Approval 228.3  
MB-Approval 229.1
- MTU Oil Category 2 (SAE 15W-40)

### Performance

- API CG4
- ACEA E2  
A3/B3 (SAE 15W-40)

### Recommendations

Ursa Heavy Duty SAE 15W-40 is suitable for use in:

- API CF-4, CE, CD, CF
- Volvo VDS

Typical test data			
Test	Test Methods	Results	
Viscosity Grade		SAE 15W-40	SAE 20W-50
<b>Shelf Life: 60 months from date of filling indicated on the product label</b>			
Density at 15°C, kg/l	ASTM D4052	0.872	0.893
Kinematic viscosity at 40°C, mm <sup>2</sup> /s	ASTM D445	105.3	158.5
Kinematic viscosity at 100°C, mm <sup>2</sup> /s	ASTM D445	14.7	19.2
Viscosity Index	ASTM D2270	144	138
Pour point, °C	ASTM D5950	-31	-36
Flash point COC, °C	ASTM D92	230	238
Sulphated Ash, %wt	ASTM D874	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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