

Description

Max Gear 85W-140 is a multigrade gear oil developed by MAXFLUID for the lubrication of heavily loaded axles and gearboxes and high operating temperatures. Formulated with quality mineral base oils and an extreme-pressure (EP) additive system, it provides dependable film strength and wear protection under heavy loads, shock loading, and a wide range of operating temperatures.

Its 85W-140 viscosity grade provides good flow at low temperatures and stable viscosity at operating temperature, helping reduce gear wear, noise, and maintenance requirements.

Performance Features & Benefits

Extreme-Pressure Protection

The EP additive system forms a durable protective film on gear teeth and bearings, protecting against scuffing and pitting under heavy and shock loads.

Wear Protection

Helps reduce wear on gears, bearings, and synchronizers, contributing to longer component life and quieter operation.

Thermal & Oxidation Stability

Resists thermal breakdown and oxidation at elevated operating temperatures, helping limit sludge and deposit formation.

Rust & Corrosion Protection

Protects gears, shafts, and bearings against rust and corrosion, even in the presence of moisture.

Good Cold-Temperature Flow

The multigrade formulation flows readily at low temperatures for effective lubrication at start-up.

Seal Compatibility

Compatible with conventional seal materials commonly used in gearboxes and axles.

Applications

Max Gear 85W-140 is recommended for:

- Manual transmissions where an SAE 85W-140 gear oil is specified
- Differentials and final drives
- Light and heavy-duty axles
- Commercial trucks and buses
- Construction and agricultural equipment gearboxes
- Industrial gearboxes where an SAE 85W-140 gear oil is specified

Always follow the equipment manufacturer's recommendations regarding gear oil viscosity grade and API service classification.

Product Advantages

- SAE 85W-140 multigrade gear oil
- Extreme-pressure additive technology
- Wear and scuff protection for gears and bearings
- Good thermal and oxidation stability
- Rust and corrosion protection
- Good low-temperature flow
- Compatible with conventional seals
- Suitable for a wide range of gearboxes and axles
- Helps reduce wear and maintenance costs

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	UNIT	METHOD	Max Gear 85W-140
SAE Viscosity Grade	-	SAE J306	85W-140
Kinematic Viscosity @ 40°C	mm ² /s	ASTM D445	385
Kinematic Viscosity @ 100°C	mm ² /s	ASTM D445	26.5
Viscosity Index	-	ASTM D2270	98
Density @ 15°C	kg/l	ASTM D4052	0.905
Flash Point (COC)	°C	ASTM D92	230
Pour Point	°C	ASTM D97	-15
Temperature for 150,000 cP (Brookfield)	°C	ASTM D2983	-14

The values shown are typical characteristics and may vary within normal manufacturing tolerances.

Health and Safety

Max Gear 85W-140 is a multigrade gear oil intended for professional automotive and industrial use. Under normal operating conditions and when handled correctly, the product is not expected to present significant health or safety hazards.

Avoid prolonged or repeated skin contact and prevent contact with eyes. Wear appropriate personal protective equipment (PPE), including protective gloves and safety glasses, when handling the product. Ensure adequate ventilation in enclosed areas and avoid inhalation of oil mists.

Store in tightly sealed containers in a cool, dry, and well-ventilated area away from direct sunlight, excessive heat, and incompatible materials. Prevent spills from entering drains, waterways, or soil.

For detailed information regarding safe handling, storage, transportation, and disposal, refer to the latest Safety Data Sheet (SDS) for Max Gear 85W-140.