

PRODUCT DESCRIPTION

The oils of the **MEEKGEAR OIL SYN** series are demulsifying, fully-synthetic industrial gear oils with elevated aging resistance, very good load-carrying capacity and wear protection. **MEEKGEAR OIL SYN** oils have good resistance to micro pitting. Reliable lubrication of roller bearings is confirmed by the good results of the FE8 testing. The required failure load stages in the standard and intensified FZG test are reliably received. Moreover **MEEKGEAR OIL SYN** oils show a good filterability. **MEEKGEAR OIL SYN** oils are preferably used when increased requirements are set for high and low temperature usage limits. Due to the low pourpoint and the high viscosity index very good cold flow properties at cold start as well as a high lubrication film thickness at operating temperatures are possible. In gearboxes and circulating systems with sump temperatures up to 90 °C, longer oil-change intervals in comparison with previous mineral oils are achieved.

APPLICATIONS

The oils of the **MEEKGEAR OIL SYN** series are used for all applications in industry where a synthetic oil of the CLP type according to DIN 51517-3 is recommended by the manufacturer. Highly-stressed bearings, joints, pressure screws, spur gears, worm gears and planetary gears can be reliably, safely and economically supplied even at short-term peak temperatures up to 150 °C.

ADVANTAGES

- Excellent wear protection, high EP performance
- Low foaming
- Good air release capacity
- Very good aging resistance
- Excellent corrosion protection
- Excellent viscosity-temperature behavior
- High natural VI (viscosity index)
- Multigrade character
- Miscible with mineral oil- and ester-based gear oils
- (Lifetime lubrication) prolongation of the service intervals possible
- For high and low operating temperatures
- Very good filterability



TYPICAL PROPERTIES

ISO VG		68	100	150	220
Density@15°C, g/ml	ASTM D 4052	0,848	0,851	0,853	0,854
Viscosity@40°C, mm ² /s	ASTM D 445	68,0	100,0	150,0	220,0
Viscosity@100°C, mm ² /s	ASTM D 445	10,7	14,5	19,6	26,7
Viscosity Index	ASTM D 2270	147	150	150	155
Flash Point, °C	ASTM D 92	240	250	250	260
Pour Point,	ASTM D 97	-56	-53	-45	-42

HEALTH AND SAFETY RECOMMENDATIONS

Waste oils must not be discharged into underground or surface water sources, sewage systems or garbage cans. Prolonged or repeated contact with used oils may cause skin diseases. Therefore sterilized gloves should always be used. If part of the skin comes into contact with waste oil, that part should be immediately washed with plenty of soap and water. In case of skin irritation or redness caused by contact, seek advice of your doctor immediately. For more information contact Material Safety Data Sheet (MSDS).

The vehicle and equipment manufacturers specifications and relevant international standards were taken into consideration while preparing the content of this Technical Data Sheet. The expressions in the content of this Technical Data Sheet can not be considered as guarantee commitment or similar way in terms of product characteristics and product use in any applications.

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