

Blahydrol MBT

Art. 145/147/148/149

Description: Blahydrol MBT hydraulic oils are pressure media and lubricating oils with reduced viscosity/temperature dependence. As a result, they have a pronounced multigrade character. As a result, they have a pronounced multigrade character.

Applications:

- Suitable for hydraulic equipment of hydraulic transmissions (hydrostatic drives), turbines, injection molding and packaging machines, as well as oil fillings of screw compressors and other lubrication points of industrial, construction, agricultural and forestry machinery.
- Wherever a very favorable viscosity/temperature behavior is required at different operating temperatures.

Product properties

- High viscosity index and thus optimized viscosity/temperature behavior
- Designed for hydraulic systems with changing operating temperatures (e.g. outdoor equipment). In terms of application, the next higher and the next lower viscosity class (ISO VG) are covered for these applications.
- High shear stability. Viscosity remains within the permissible range throughout the service life. Good aging resistance and high wear protection.
- The formulation is free of any metal compounds, free of zinc and ash and has very good hydrolysis resistance
- Good chemical and physical compatibility with water-miscible cooling lubricants from Blaser Swiss-lube

Benefits

- extended range of application for different operating temperatures.
- the viscosity remains within the permissible limits over a wide temperature range, resulting in a reduction in the variety of grades, which reduces the risk of confusion and contributes to simplifying storage.
- the necessary lubricant film thickness is ensured even under high mechanical stress. The hydraulic elements are reliably lubricated according to their requirements. Blahydrol MBT hydraulic oils are designed for a long service life.
- reduction of operational failures due to deposits in valves, pumps, cylinders, filters and the other hydraulic elements in case of water and condensation water ingress.
- contributes to a long service life of the cooling lubricant and emulsion

Physical-chemical data: see overleaf

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Physical-chemical data:

Art. No.	Viscosity at 40°C (mm ² /s)	Viscosity at 100°C (mm ² /s)	Viscosity Index VI	Density at 20°C	Pourpoint	Flashpoint	Alloy type		
	ISO-VG-Class			(g/cm ³)	(°C)	(°C)	HL/CL	HLP	HVLP
	DIN 51562 DIN ISO 3448	DIN 51562 DIN ISO 3448	DIN ISO 2909	DIN 51757	DIN ISO 3016	DIN ISO 2592	DIN 51524/1 51517/1	DIN 51524/2	DIN 51524/3
147	32	6.6	169	0.85	-51	210	x	x	x
148	46	8.6	168	0.87	-36	219	x	x	x
149	68	10.9	152	0.87	-33	222	x	x	x
145	102	14.7	150	0.88	-27	223	x	x	x

Legend: x = Requirement is fulfilled by the oil.

Safety and environmental aspects:

ADR/RID:

Precautionary measure:

Water hazard class:

EC-waste code:

CH-waste code:

Classification and labelling:

no dangerous goods

do not allow to enter ground water, water courses or sewage system. Harmful to aquatic organisms.

slightly water endangering (WGK 1)

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identical to EC-waste code (as per VeVA of 01.01. 06) stated in the safety data sheet



Container sizes:

Container: 1022 l (only Art. 148)

Drum: 60 l • 208 l

Canister: 10 l (only Art. 145/147/148)

Canister: 5 l (only Art. 148)

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