

Blahydrol BT

Art. 00154-05 – 00161-05

Description: Blahydrol BT high-performance hydraulic oils, based on selected refined mineral oils, are zinc and ash free and ensure excellent protection against wear and corrosion.

Application: Blahydrol BT high-performance hydraulic oils are ideal for all kinds of mobile and stationary hydraulics systems as well as for lubricating light-duty gear drives, sleeve and roller bearings, pneumatic service units, servomotors, fluid couplings, etc.

Product characteristics

- The specific zinc and ash free formulation of these oils ensures excellent abrasion protection, high load-bearing capacity and efficient protection against corrosion.
- Exceptionally good resistance to ageing and oxidation; high shear stability.
- Minimizes sludge formation and deposits.
- Good water separation ability (demulsifying behaviour).
- Excellent deaeration and antifoaming properties.
- Formulation compatible with hydraulic oils containing zinc.

Benefits

- Greatest possible load-bearing dependability even under the most unfavourable operating conditions.
- Long oil change intervals and viscosity class compliance.
- Less maintenance outlay thanks to long-lasting system cleanliness.
- Rapid removal of water contamination for trouble-free operation.
- Combats lubricant starvation and system cavitation damage.
- Minimizes production down time when changing from zinc-rich hydraulic oil to Blahydrol BT because of filter blockage.

Specifications and standards: Blahydrol BT hydraulic oils exceed or comply with the following standards and specifications:

Standard	Blahydrol BT 10 Art. 154	Blahydrol BT 15 Art. 155	Blahydrol BT 22 Art. 156	Blahydrol BT 32 Art. 157	Blahydrol BT 46 Art. 158	Blahydrol BT 68 Art. 159	Blahydrol BT 100 Art. 160	Blahydrol BT 150 Art. 161
DIN 51524/2	HLP	HLP	HLP	HLP	HLP	HLP	HLP	HLP
ISO 11158	HM	HM	HM	HM	HM	HM	HM	HM
MAG IAS	–	–	–	P-68	P-70	P-69	–	–

Blahydrol BT hydraulic oils furthermore meet the following requirements:

- Denison: HF-0; HF-1; HF-2
- Eaton Vickers: 1286-S; M-2950-S
- AIST (U.S. Steel): 127; 136
- GM: LH-03-2; LH-04-2; LH-06-2

Physical-chemical data: See overleaf

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Physical-chemical data:

Measuring	Standard	Blahydrol BT 10 Art. 154	Blahydrol BT 15 Art. 155	Blahydrol BT 22 Art. 156	Blahydrol BT 32 Art. 157	Blahydrol BT 46 Art. 158	Blahydrol BT 68 Art. 159	Blahydrol BT 100 Art. 160	Blahydrol BT 150 Art. 161
Appearance:		clear	clear	clear	clear	clear	clear	clear	clear
Colour:		yellow	yellow	yellow	yellow	yellow	yellow-orange	yellow-orange	yellow-orange
ISO-VG class:	DIN ISO 3448	10	15	22	32	46	68	100	150
Viscosity (40°C):	DIN 51562-1	10 mm ² /s	15 mm ² /s	22 mm ² /s	32 mm ² /s	46 mm ² /s	68 mm ² /s	100 mm ² /s	150 mm ² /s
Viscosity (100°C):	DIN 51562-1	2.68 mm ² /s	3.50 mm ² /s	4.35 mm ² /s	5.48 mm ² /s	6.90 mm ² /s	8.75 mm ² /s	11.0 mm ² /s	14.5 mm ² /s
Viscosity index:	DIN ISO 2909	103	116	103	107	105	100	93	95
Density (at 20°C):	DIN 51757	0.828 g/ml	0.832 g/ml	0.858 g/ml	0.861 g/ml	0.870 g/ml	0.878 g/ml	0.886 g/ml	0.890 g/ml
Pourpoint:	DIN ISO 3016	-36°C	-33°C	-33°C	-24°C	-24°C	-24°C	-21°C	-18°C
Flashpoint:	DIN ISO 2592	178°C	198°C	201°C	212°C	227°C	228°C	249°C	257°C
FZG test A/8, 3/90:	ISO 14635-1	10 pass	10 pass	10 pass	10 pass	10 pass	10 pass	10 pass	10 pass

Safety and environmental aspects:

ADR /RID:

Precautionary measure:

Water hazard classification:

LVA/EU waste code:

Swiss waste code:

Not classified as hazardous by transport regulations.

Do not allow product to reach ground water, water course or sewage System. Harmful to aquatic organisms Slightly water endangering (WGK 1)

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Identical to EU waste code (as per VeVA of 01.01.06).



Container sizes:	Art. 154:	Art. 155:	Art. 156:	Art. 157:	Art. 158:	Art. 159:	Art. 160:	Art. 161:	Drum: 208 l • 60 l	Canister: 9 l
		Container: 1022 l		Container: 1022 l	Container: 1022 l	Container: 1022 l	Container: 1022 l	Container: 1022 l	Drum: 208 l	
									Drum: 208 l • 60 l	Canister: 10 l
									Drum: 208 l • 60 l	Canister: 25 l • 10 l
									Drum: 208 l • 60 l	Canister: 25 l • 10 l
									Drum: 208 l • 60 l	Canister: 10 l
									Drum: 208 l • 60 l	Canister: 10 l
									Drum: 208 l • 60 l	Canister: 10 l
									Drum: 208 l • 60 l	Canister: 10 l

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