

# Blahydrol BT Plus 46

Art. 05148-01

**Description:** Blahydrol BT Plus 46 high-performance hydraulic oil, based on selected refined mineral oils, zinc and ash free, with high pressure properties, excellent protection against wear and corrosion.

**Applications:** Blahydrol BT Plus 46 hydraulic oil is especially formulated for high loaded systems, for which corresponding regulations are valid. It is usable for various hydraulic press and injection moulding machines for synthetic material. Also suitable for mobile and stationary hydraulic systems, which have heavy requirements on wear protection in mixed friction areas. Furthermore, Blahydrol BT Plus 46 can be used for splash or circular lubrication of friction and roller bearings as well as for spur-gear systems.

## Product characteristics

- The specific zinc and ash free formulation ensures excellent high load-bearing capacity, excellent abrasion protection and efficient protection against corrosion.
- Exceptionally good resistance to ageing and oxidation; high shear stability.
- Good water separation ability (demulsifying behaviour).
- Excellent deaeration and antifoaming properties.

## Benefits

- Greatest possible load-bearing dependability even under the most unfavourable operating conditions.
- Long oil change intervals and viscosity class compliance.
- Rapid removal of water contamination for trouble-free operation.
- Combats lubricant starvation and system cavitation damage.

## Specifications and standards:

Blahydrol BT Plus 46 exceed or comply with the following standards and specifications:

Standard	Blahydrol BT Plus 46 Art. 5148
DIN 51524/2	HLP
ISO 11158	HM
DIN 51517/3	CLP
ISO 12925-1	CKC/CKD

Blahydrol BT Plus 46 furthermore meet the following requirements:

- Müller Weingarten (Schuler compressions) without balance wheel bearing
- Arburg synthetic material injection moulding machines
- Feintool / Heinrich Schmid
- Bucher Hydraulik (internal gear-pump)

**Physical-chemical data:** see overleaf

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## Physical-chemical data:

Measurement	Standard	Blahydrol BT Plus 46 Art. 5148
Appearance:		clear
Colour:		yellow
ISO-VG class:	DIN ISO 3448	46
Viscosity (at 40°C):	DIN 51562-1	46 mm <sup>2</sup> /s
Viscosity (at 100°C):	DIN 51562-1	7.0 mm <sup>2</sup> /s
Viscosity Index:	DIN ISO 2909	105
Density (at 20°C):	DIN 51757	0.872 g/ml
Pourpoint:	DIN ISO 3016	-24°C
Flashpoint (COC):	DIN ISO 2592	234°C
FZG-test A/8, 3/90:	ISO 14635-1	12 pass
Brugger	DIN 51347-2	≥45 N/mm <sup>2</sup>

## Safety and environmental aspects:

ADR /SDR:

Precautionary measure:

Water hazard classification:

EC-waste code:

CH-waste code:

Not classified as hazardous according to 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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identically with EC-waste code (according to VeVA waste regulations from 01.01.06)



## Container sizes:

Drum: 208 l

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