

Evolit BG

Art. 5157 – 5165

Description: Evolit BG high-performance industrial gear oils, based on selected refined mineral oils, are zinc and ash free and have outstanding HP and anti-abrasion properties.

Application: Evolit BG high-performance industrial gear oils are ideal for immersion or circulation lubrication of heavy-duty spur gear, bevel gear and worm gear drives as well as roller and sleeve bearings, guide-ways and articulated joints.

Product characteristics

- The specific high-pressure 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).

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.

Specifications and standards: Evolit BG high-performance industrial gear oils exceed or comply with the following standards and specifications:

Standard	Evolit BG 32 Art. 5157	Evolit BG 46 Art. 5158	Evolit BG 68 Art. 5159	Evolit BG 100 Art. 5160	Evolit BG 150 Art. 5161	Evolit BG 220 Art. 5162	Evolit BG 320 Art. 5163	Evolit BG 460 Art. 5164	Evolit BG 680 Art. 5165
DIN 51517/3	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP	CLP
ISO 12925-1	CKC/CKD	CKC/CKD	CKC/CKD	CKC/CKD	CKC/CKD	CKC/CKD	CKC/CKD	CKC/CKD	CKC/CKD
AGMA 9005-E02	–	–	2EP	3EP	4EP	5EP	6EP	7EP	8EP
MAG IAS Machine Gear	–	–	P-63	P-76	P-77	P-74	P-59	P-35	–

Evolit BG high-performance industrial gear oils furthermore meet the following requirements:

- AIST (U.S. Steel): 224
- David Brown: S1.53.101
- GM: LS-2-EP Gear Oil

Physical-chemical data: See overleaf

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Physical-chemical data:

Measuring	Standard	Evolit BG 32 Art. 5157	Evolit BG 46 Art. 5158	Evolit BG 68 Art. 5159	Evolit BG 100 Art. 5160	Evolit BG 150 Art. 5161	Evolit BG 220 Art. 5162	Evolit BG 320 Art. 5163	Evolit BG 460 Art. 5164	Evolit BG 680 Art. 5165
Appearance:		clear	clear	clear	clear	clear	clear	clear	clear	clear
Colour:		yellow	yellow	yellow-orange	yellow-orange	yellow-orange	yellow-orange	yellow-orange	yellow-orange	yellow-orange
ISO-VG class	DIN ISO 3448	32	46	68	100	150	220	320	460	680
Viscosity (40°C):	DIN 51562-1	32 mm ² /s	46 mm ² /s	68 mm ² /s	100 mm ² /s	150 mm ² /s	220 mm ² /s	320 mm ² /s	460 mm ² /s	680 mm ² /s
Viscosity (100°C):	DIN 51562-1	5.4 mm ² /s	6.9 mm ² /s	8.8 mm ² /s	11.0 mm ² /s	14.6 mm ² /s	18.7 mm ² /s	21.6 mm ² /s	30.3 mm ² /s	39.5 mm ² /s
Viscosity index:	DIN ISO 2909	107	105	100	95	95	95	80	95	957
Density (at 20°C):	DIN 51757	0.865 g/ml	0.8671 g/ml	0.881 g/ml	0.889 g/ml	0.892 g/ml	0.893 g/ml	0.895 g/ml	0.899 g/ml	0.898 g/ml
Pourpoint:	DIN ISO 3016	< -24°C	-24°C	-24°C	-21°C	-18°C	-16°C	-11°C	-07°C	-8°C
Flashpoint:	DIN ISO 2592	218°C	213°C	230°C	242°C	244°C	249°C	254°C	260°C	256°C
FZG test A/8, 3/90:	ISO 14635-1	12 pass	12 pass	12 pass	12 pass	12 pass	12 pass	12 pass	12 pass	12 pass
Brugger:	DIN 51347	67	75	66	73	80	73	75	71	59

Safety and environmental aspects:

ADR /RID:

Precautionary measure:

Water hazard classification:

LVA/EU waste code:

Swiss waste code:

Classification and labelling:

Not classified as hazardous by transport regulations.

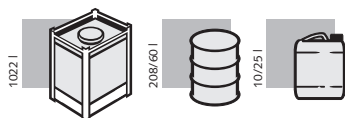
Do not allow product to reach ground water, water course or sewage System. Danger to drinking water if even small quantities leak into the ground.

Considerably hazardous to water (WGK 2)

13 02 05

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

Stated in the safety data sheet



Container sizes:

art. 5157:

art. 5158:

art. 5159:

art. 5160:

art. 5161: Container: 1022 l

art. 5162:

art. 5163:

art. 5164:

art. 5165:

Drum: 208 l

Drum: 208 l

Drum: 208 l • 60 l

Drum: 208 l • 60 l

Drum: 208 l • 60 l

Drum: 208 l • 60 l

Drum: 208 l • 60 l

Drum: 208 l • 60 l

Drum: 208 l

Canister: 25 l • 10 l

Canister: 25 l • 10 l

Canister: 10 l

Canister: 10 l

Canister: 10 l

Canister: 10 l

Canister: 10 l

Canister: 10 l

Canister: 10 l

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