

Aral Degol BMB 680

CLPF type gear oil

Applications:

Aral Degol BMB 680 is a high-performance gear oil with solid lubricant additives (molybdenum disulphide / MoS₂). This oil fulfills the requirements of the DIN 51517-3, and qualifies as a CLPF type gear oil in accordance with DIN 51502. The MoS₂ additives are matched specially to the base oil and other additives, so a stable suspension can achieve the highest efficiency over a broad load range. The remarkable properties of this gear oil gives a neutral behaviour with nonferrous heavy metals and seals, a high thermal loading capacity, good ageing stability and an unusually good protection against corrosion.

Operational area:

Aral Degol BMB 680 is for the use in slow running, heavy-duty gears with strong shock and vibrational loads. It still ensures lubrication if there is a reactional separation, which can developed through chemically solute active agents, due to a lacking lubrication supply that is already extensively degraded. Degol BMB 680 has distinctive emergency run properties that gives an additional suppression of oscillations.

Technical Data

Colour			Black
Density at 15 °C	g/ml	DIN 51757	0,902
Viscosity Index		DIN ISO 2909	94
Viscosity 40 °C	mm ² /s	DIN 51562	681
Viscosity 100 °C	mm ² /s	DIN 51562	38,7
Flash point COC	°C	DIN ISO 2592	284
Pourpoint	°C	DIN ISO 3016	-6
Neutralization number	mg KOH/g	DIN 51558-1	0,32
Oxide ash	Gew. %	DIN EN ISO 6245	<0,1
Ageing characteristics			
Tost test			
Increase n.n. after 1000 h	mgKOH/g	DIN 51587	<2,0
Corrosiveness			
on steel	Korr. Grad.	DIN ISO 7120	0 - A
on steel	Korr. Grad.	DIN 51355	0 - A/B
on copper	Korr. Grad.	DIN EN ISO 2160	1 - 100 A 3
FZG test A/8,3/90	SKS	DIN 51354-2	>12
FZG test A/16,6/140	SKS	DIN 51354-2	>12
Foaming characteristics at 24 °C	ml	ISO 6247	<50/0

Remarks:

All data is subject to development for the product and the production process.

Version-No.: IS2308050010