

Aral Degol BG 680

Gear oil type CLP

Applications:

Aral Degol BG 680 is a zinc free, CLP type gear oil that fulfils the requirements of DIN 51517-3 with a large margin of reserve. Aral Degol BG 680 offers an excellent wearing protection, a high amount of safety against scuffing, outstanding aging resistance and a high thermal endurance. In addition, this product behaves neutral towards conventional seals and bearing metals. The high corrosion protection, minimal foaming tendency and a good demulsibility are special characteristics to be emphasized.

Operational area:

Aral Degol BG 680 is an gear oil that offers optimal running time for gears of all types, even under difficult conditions, and is for the safe running-in of new gears. Aral Degol BG 680 has a release recommendation through the VDEh in accordance with SEB-Nr. 181226.

Technical Data

Colour		DIN ISO 2049	>8
Density at 15 °C	g/ml	DIN 51757	0,913
Viscosity Index		DIN ISO 2909	82
Viscosity			
40 °C	mm ² /s	DIN 51562	680
100 °C	mm ² /s	DIN 51562	35,0
Flash point COC	°C	DIN ISO 2592	308
Pourpoint	°C	DIN ISO 3016	-12
Neutralization number	mg KOH/g	DIN 51558-1	0,3
Oxide ash	Gew. %	DIN EN ISO 6245	<0,1
Ageing characteristics			
Tost test			
Increase n.n. after 1000 h	mgKOH/g	DIN 51587	0,24
Corrosiveness			
on steel	Korr. Grad.	DIN ISO 7120	0-A/1-B
on steel	Korr. Grad.	DIN 51355	0-B
on copper	Korr. Grad.	DIN EN ISO 2160	1-125 A3
FZG test			
A/8,3/90	SKS	DIN 51354-2	>=12
A/16,6/140	SKS	DIN 51354-2	>=12
Mechanical-dynamic testing in the roller bearing test apparatus FE8: D 7,5/80-80			
Rolling element wear	mg	DIN 51819-3	<5
Cage wear	mg	DIN 51819-3	<10

Remarks:

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

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