

Aral Degol GS 680

Gear oil type CLP PG

Applications:

Aral Degol GS 680 is a high performance gear oil based on CLP PG type Polyglycol, in accordance with DIN 51517-3. This product guarantees a high protection from scuffing and micro-pitting. The special wearing protection, favorable friction behavior, thermal and oxidation stability, very good viscosity temperature behavior, and its distinct corrosion reduction qualities, all distinguish this gear oil. Aral Degol GS 680 gear oil fulfills the micro-pitting test, required by the Flender company, in accordance with FVA Nr.54.

Operational area:

The base fluid and selective additives, make possible the use of this oil in gears burdened with high temperatures, as well as bearings and circulating oil systems operating in temperatures up to +160 °C, with extended oil changing intervals. Special uses are for worm gears with the classical pairing of materials such as steel and bronze. In addition, Aral Degol GS 680 is suitable for the lubrication of so-called hot gears (e.g. plastic calendars, paper machines and drying cylinders).

Technical Data

PG type			water insoluble
Density at 15 °C	g/ml	DIN 51757	1,00
Viscosity Index		DIN ISO 2909	250
Viscosity 40 °C	mm ² /s	DIN 51562	680
Viscosity 100 °C	mm ² /s	DIN 51562	110
Flash point COC	°C	DIN ISO 2592	265
Pourpoint	°C	DIN ISO 3016	-33
Neutralization number	mg KOH/g	DIN 51558-1	0,8
Corrosiontest on steel	Korr. Grad	DIN ISO 7120	O - A
Corrosiontest on copper	Korr. Grad	DIN EN ISO 2160	1-150 A 3
FZG test			
A/16,6/90	SKS	DIN 51354-2	>12
A/16,6/140	SKS	DIN 51354-2	>12
Foaming characteristics at 24 °C	ml	ISO 6247	<50/0
Micro pitting resistance Stage test		FVA Nr. 54	10
Service temperature range	°C		-30 /+160

Remarks:

This product is compatible with conventional sealing compounds. Only recommended two component coatings should be used. Aral Degol GS 680 is not miscible with mineral oil.

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

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