

# Aral Degol GS 460

## Gear oil type CLP PG

### Applications:

Aral Degol GS 460 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 460 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. This product can also be used in 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 460 is suitable for the lubrication of so-called hot gears (e.g. plastic calendars, paper machines and drying cylinders). Aral Degol GS 460 corresponds with "Requirements on circulation lubricating oils for paper machine drying cylinders" release of the SKF co. and corresponds to the FAG co. release.

### Technical Data

Appearance		visuell	water clear
PG type			water insoluble
Density at 15 °C	g/ml	DIN 51757	1,00
Viscosity Index		DIN ISO 2909	238
Viscosity 40 °C	mm <sup>2</sup> /s	DIN 51562	450
Viscosity 100 °C	mm <sup>2</sup> /s	DIN 51562	72
Flash point COC	°C	DIN ISO 2592	285
Pourpoint	°C	DIN ISO 3016	-39
Neutralization number	mg KOH/g	DIN 51558-1	1,5
Demulsion character. at 82 °C	min	DIN 51599	0/5
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
FZG test 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 460 is not miscible with mineral oil.

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

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