



## RENOLIN CLP Industrial EP Gear Oil according to 51517-3

Product Code: 423 (Apr, 2008)

### Description

RENOLIN CLP oils are premium quality extreme pressure gear lubricants, manufactured from the highest quality base oils combined with extreme pressure additives of the sulphur-phosphorous type. This combination provides very high load-carrying properties and affords maximum protection for gear teeth in severe service conditions.

In addition, RENOLIN CLP oils are inhibited against rust and foaming, and possess very good water separating characteristics (demulsibility).

RENOLIN CLP meets the requirements of

- DIN 51517 Part 3
- US Steel 224
- AGMA 9005-D95
- David Brown

RENOLIN CLP oils are produced in ISO viscosity grades of 22, 32, 46, 68, 100, 150, 220, 320, 460 and 680.

### Application

RENOLIN CLP oils are recommended for the lubrication of bearings and enclosed gears operating under extreme or shock-load conditions.

### Product Characteristics\*

Properties	Unit	Value										Test Method
ISO Viscosity Grade		22	32	46	68	100	150	220	320	460	680	
Viscosity @ 40 °C	mm <sup>2</sup> /s	21.5	32.5	47	70	100	151	215	310	463	664	ASTM D-445
@ 100 °C	mm <sup>2</sup> /s	4.5	5.5	7.0	9.0	11.0	15.0	19.0	24.0	30.0	38.5	ASTM D-445
Viscosity Index		106	102	105	98	98	98	95	98	95	97	ASTM D-2270
Density @ 35 °C	kg/m <sup>3</sup>	857	865	868	871	875	881	886	891	896	893	ASTM D-1298
Flash Point	°C	214	224	236	236	234	236	234	248	264	300	ASTM D-92
Pour Point	°C	- 18	- 18	- 15	- 15	- 12	- 12	- 9	- 6	- 6	- 6	ASTM D-97
Neutralization no.	mgKOH/g	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	ASTM D-974

\*The information and figures given here are typical of current production and conform to specification, minor variations may occur.

**Manufactured by Alkarim for Trade & Industry under license of Fuchs Germany**

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