



Art.-Nr.: 2173.010

*meguinfo*

Stand: 01/09

## **megol Getriebeoel CLP 460**

Gearbox oil CLP 460 is an EP lubricant offering excellent lubrication and wear-prevention properties. Made of high quality base oils and the latest sulphur phosphorus additives. Suitable for use in industrial gearboxes, roller and plain bearings that are exposed to high loads, and in particular also for large systems with circulation lubrication systems.

Approvals / Specifications:

Lubricating oil DIN 51517 - CLP 460  
Lubricating oil CLP 460 SEB 181 226

### **Characteristic data**

### **Approx. values**

|                                                  |                  |                     |           |
|--------------------------------------------------|------------------|---------------------|-----------|
| ISO viscosity class                              | DIN 51519        |                     |           |
| Viscosity at 0°C                                 | DIN 51562        | VG 460              | -         |
|                                                  |                  | mm <sup>2</sup> /s  |           |
| Viscosity at 40°C                                | DIN 51562        | mm <sup>2</sup> /s  | 460       |
| Viscosity at 100°C                               | DIN 51562        | mm <sup>2</sup> /s  | 28,5      |
| Viscosity index                                  | DIN ISO 2909     |                     | 90        |
| Density at 15°C                                  | DIN 51757        | kg/m <sup>3</sup>   | 910       |
| Flash point                                      | DIN ISO 2592     | °C                  | 250       |
| Pour point                                       | DIN ISO 3016     | °C                  | -10       |
| Air separation capacity / 50°C                   | DIN 51381        | min.                | 35        |
| De-emulsifying capacity / 54°C                   | DIN 51599        | min.                | 30        |
| Ash, oxide                                       | DIN EN 7         | g/100 g             | 0.03      |
| Ash, sulphate                                    | DIN 51575        | g/100 g             | 0.04      |
| Coke residue using the Conradson method with ash | DIN 51551        | g/100 g             | 1.2       |
| Content of asphaltenes                           | DIN 51595        | g/100 g             | m.n.n. *) |
| Content of undissolved substances                | DIN 51592        | g/100 g             | m.n.n. *) |
| Water content                                    | DIN ISO 3733     | g/100 g             | m.n.n. *) |
| Neutralisation index, acid                       | DIN 51558 Part 1 | mg/KOH/g            | 0.5       |
| Corrosive effect on steel                        | DIN 51585        | degree of corrosion | 0-B       |
| Corrosive effect on copper                       | DIN 51759        | degree of corrosion | 1-125     |
| A3                                               |                  |                     |           |
| Ageing properties                                |                  |                     |           |
| Increase in viscosity                            | DIN 51586        | %                   | 2.3       |
| Precipitation index                              | DIN 51586        | ml                  | < 0.05    |
| Increase of neutralisation index after 1000 h    | DIN 51587        | mg KOH/G            | < 2.0     |
| Timken test                                      | SEB 181 302      |                     |           |
| Wear under a load of 43 lbs after 10 min.        |                  | mg                  | < 4.0     |
| Accepted load                                    |                  | lbs                 | 60        |

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# Shanghai Jichuan Trading

Foaming properties

DIN 51566

S1B-0/0  
S2B-0/0  
S3B-0/0

Properties against sealing material

SRE pursuant to DIN 53538

Part 3 after 7 days at 100°C

Motor vehicle brief gear test

Special test A/16.6/90

Change in volume  
Change in hardness  
DIN 51354 Part 2  
Failure load level  
Unit weight change

%-by-vol. +5  
Shore -2  
> 12  
mg/kWh < 0.27

\*) m.n.n. = Quantity not detectable

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