

# Aral Degol BG 220

## Gear oil type CLP

### Applications:

Aral Degol BG 220 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 220 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 220 is a gear oil that offers an optimal running time for gears of all types operating under difficult conditions, and is for the safe running-in of new gears. Aral Degol BG 220 has a release recommendation through the VDEh in accordance with SEB-Nr. 181226 and the FE 8- approval of the FAG Co.

### Technical Data

|  |                    |                 |          |
|--|--------------------|-----------------|----------|
| Colour   |                    | DIN ISO 2049    | L2,5     |
| Density at 15 °C   | g/ml               | DIN 51757       | 0,889    |
| Viscosity Index  |                    | DIN ISO 2909    | 93       |
| Viscosity 40 °C  | mm <sup>2</sup> /s | DIN 51562       | 220      |
| Viscosity 100 °C   | mm <sup>2</sup> /s | DIN 51562       | 18,8     |
| Flash point COC  | °C                 | DIN ISO 2592    | 274      |
| 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      |
| Corrosiveness on steel   | Korr. Grad.        | DIN 51355       | 0-B      |
| Corrosiveness on copper  | Korr. Grad.        | DIN EN ISO 2160 | 1-125 A3 |
| FZG test A/8,3/90  | SKS                | DIN 51354-2     | > 14     |
| FZG test A/16,6/140  | SKS                | DIN 51354-2     | >=12     |
| Mechanical-dynamic testing<br>in the roller bearing test<br>apparatus FE8: D 7,5/80-80 |                    |                 |          |
| Rolling element wear   | mg                 | DIN 51819-3     | <5       |
| Cage wear  | mg                 | DIN 51819-3     | <10      |

### Remarks:

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

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