

# Mabanol Radon Gear GL 4 85W-90, 80W-90, 85W-140

EP Multi-purpose Gear Oils GL-4

## Application

These are EP multi-purpose gear oils which can be used for all purposes in the servicing of gearboxes (with and without synchromesh), transfer gearboxes, various steering gears and normal duty drive axles – particularly passenger car transaxle systems – insofar as hypoid gear oil in accordance with MIL-L-2105 B/C or API GL-5 is not explicitly stipulated.

## Properties

These multi-purpose gear oils are made from selected base oils with matching additives. Their viscosity settings are chosen to ensure both good flow-on characteristics at low temperatures and high lubrication safety at high temperatures.

## Specifications

- SAE Grades, 85W-90, 80W-90 and 85W-140
- API GL-4
- MIL-L-2105

## Approval

- DTFR 13B100 (only 80W-90)
- MB-Approval 235.1 (only 85W-90)

## Recommended for

- ZF TE-ML 16A/17A/19A (except 85W-140)

## Data

## SAE Grade

|                         | Test method     | Unit               | 85W-90    | 80W-90  | 85W-140 |
|-------------------------|-----------------|--------------------|-----------|---------|---------|
| Density at 15°C         | DIN 51 757      | g/cm <sup>3</sup>  | 0,896     | 0,891   | 0,902   |
| Viscosity at -12°C      | DIN 51 398      | mPa s              | < 150.000 | –       | –       |
| Viscosity at -26°C      | DIN 51 398      | mPa s              | –         | 137.000 | 118.000 |
| Kin. Viscosity at 40°C  | DIN EN ISO 3104 | mm <sup>2</sup> /s | 207       | 141     | 399     |
| Kin. Viscosity at 100°C | DIN EN ISO 3104 | mm <sup>2</sup> /s | 17,4      | 14      | 26,6    |
| Viscosity Index (VI)    | DIN ISO 2909    |                    | 90        | 99      | 90      |
| Flash point COC         | DIN ISO 2592    | °C                 | 220       | 224     | 285     |
| Pourpoint               | DIN ISO 3016    | °C                 | -21       | -27     | -18     |
| FZG-Test A/8, 3/90      | DIN 51 354      | Fail stage         | > 12      | > 12    | > 12    |

Updated in February 2024

The above values may vary within the commercial limits.

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