

# CHAMPION OEM SPECIFIC

## 75W90 GL 5

This is a full synthetic lubricant based on high-quality PAO base oils. It offers advanced protection of all components, even when operating under high-speed/shock-load or low-speed/high-torque conditions. The SAE J2360 specification displays this lubricant's outstanding quality.

### APPLICATIONS

This OEM approved gear oil is recommended for all components of mechanical transmissions of HD vehicles. This is shown by the product's ZF specifications, which means that it can be used to service vehicles containing ZF driveline components like final drives or half-shafts. It is also designed to meet the SCANIA STO 2: 0A FS and recent MAN, Volvo and MB driveline specifications.

### FEATURES

Advanced friction properties: vibration free power transfer

Extremely high quality base oils: optimal oil performance in-between oil changes

Improved oil stability: complete protection of critical parts, even under high-load conditions

### SPECIFICATIONS

|                |                   |        |                    |
|----------------|-------------------|--------|--------------------|
| API            | GL-4              | MB     | 235.11             |
| API            | GL-5              | MB     | 235.20             |
| API            | MT-1              | MB     | 235.21             |
| SAE            | approval J 2360   | MB     | 235.8              |
| ARVIN MERITOR  | 0-76-E            | MB     | 235.9              |
| ARVIN MERITOR  | 0-94              | SCANIA | STO 1:0            |
| BMW            | 33 11 7 695 240   | SCANIA | STO 1:1G           |
| BMW            | 83 22 2 148 570   | SCANIA | STO 2:0 G          |
| BMW            | 83 22 2 365 987   | SCANIA | STO 2:0A FS        |
| BMW            | 83 22 9 407 768   | VOLVO  | approval 97312     |
| BMW            | OSP               | ZF     | approval TE-ML 02B |
| CHRYSLER       | MS 9763           | ZF     | approval TE-ML 05A |
| DAF            | MEET REQUIREMENTS | ZF     | approval TE-ML 12L |
| DETROIT DIESEL | DFS 93K219.01     | ZF     | approval TE-ML 12N |
| DTFR           | 12B110            | ZF     | approval TE-ML 16F |
| DTFR           | 13B110            | ZF     | approval TE-ML 17B |
| DTFR           | approval 12B140   | ZF     | approval TE-ML 19C |
| IVECO          | 18-1805           | ZF     | approval TE-ML 21A |
| IVECO          | 18-1805 RAS1      | ZF     | TE-ML 07A          |
| IVECO          | MEET REQUIREMENTS | ZF     | TE-ML 08           |
| JD             | J11 E             | ZF     | TE-ML 12B          |
| JD             | J11 G             | ZF     | TE-ML 16B          |
| MACK           | G0-J              | ZF     | TE-ML 24A          |
| MAN            | 341 E-3           |        |                    |
| MAN            | 341 GA1           |        |                    |
| MAN            | 341 GA2           |        |                    |
| MAN            | 341 Z2            |        |                    |
| MAN            | 342 M-3           |        |                    |
| MAN            | approval 342 S1   |        |                    |

#### CHAMPION CHEMICALS NV

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## TYPICAL CHARACTERISTICS

| Test                          | Method     | Unit               | Average results |
|-------------------------------|------------|--------------------|-----------------|
| Density at 15°C               | ASTM D4052 | g/ml               | 0.868           |
| Kinematic viscosity at 40°C   | ASTM D445  | mm <sup>2</sup> /s | 105             |
| Kinematic viscosity at 100°C  | ASTM D445  | mm <sup>2</sup> /s | 15.5            |
| Viscosity index               | ASTM D2270 |                    | 158             |
| Pour point                    | ASTM D6892 | °C                 | -61             |
| Brookfield viscosity at -40°C | ASTM D2983 | mPa.s              | 65000           |
| Flash Point COC               | ASTM D92   | °C                 | 202             |

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

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