



## Tarmond HyGear EP

INDUSTRIAL GEAR OILS

### Product Description:

**Tarmond HyGear EP** are premium industrial gear oils formulated with extreme pressure (EP) additives to provide reliable protection under heavy loads and shock conditions. They deliver superior wear resistance for gears and bearings, exhibit excellent oxidation stability, and prevent sludge and deposit formation. High film strength and good seal compatibility ensure extended service life and trouble-free, efficient operation in enclosed gear drives and heavy-duty applications.

### Applications:

**Tarmond HyGear EP** can be applied in industrial gear drives operating under severe load conditions, over a wide temperature range, and where high film strength is required. It is also suitable for steel-on-steel applications, spur, helical, or planetary gear drives, as well as bearings and other steel-on-steel components operating with splash or forced circulation systems.

### Benefits:

- ❖ Enhanced protection against gear and bearing wear, extending equipment life and reducing unexpected downtime
- ❖ Improved resistance to oxidation, sludge, and deposits, ensuring cleaner systems and lower maintenance needs
- ❖ Excellent compatibility with various seal materials, reducing leakage and contamination for greater reliability
- ❖ Wide application range, minimizing the need for multiple lubricants and simplifying inventory management
- ❖ Extended lubricant life reduces overall lubrication costs and scheduled downtime, enhancing productivity

### Meets the Specifications:

API: GL-4; DIN 52517/DIN 51517-3; ISO 12925-1; David Brown S1.53.101; AGMA 9005-02; US Steel 224

Please check your owner's manual for the manufacturer's recommended oil viscosity grade and API classification and approvals

### Technical Data:

| TARMOND                              | Test Method  | 68   | 100  | 150   | 220  | 320   | 460   | 680   |
|--------------------------------------|--------------|------|------|-------|------|-------|-------|-------|
| SAE Grade                            |              |      |      |       |      |       |       |       |
| Density at 15 °C, gr/cm <sup>3</sup> | ASTM D 1298  | 0,88 | 0,89 | 0,895 | 0,9  | 0,902 | 0,905 | 0,885 |
| Viscosity at 40 °C, cSt              | ASTM D 445   | 68   | 100  | 150   | 220  | 320   | 460   | 680   |
| Viscosity Index                      | ASTM D 2270  | 100  | 100  | 95    | 95   | 95    | 95    | 95    |
| Flash Point, °C                      | ASTM D 92    | 220  | 222  | 230   | 230  | 240   | 240   | 250   |
| Pour Point, °C                       | ASTM D 97    | -23  | -21  | -20   | -18  | -18   | -12   | -9    |
| TIMKEN OK Load lbs                   | ASTM D 2782  | 65   | 65   | 65    | 65   | 65    | 65    | 65    |
| 4 Ball EP                            |              |      |      |       |      |       |       |       |
| Weld, kg                             | ASTM D 2783  | 250  | 250  | 250   | 250  | 250   | 250   | 250   |
| LWI, kg                              |              | 45   | 45   | 45    | 45   | 45    | 45    | 45    |
| FZG Load Stage, Min.                 | FZG A/8.3/90 | > 12 | > 12 | > 12  | > 12 | > 12  | > 12  | > 12  |

Above values are the typical values of the products and may vary with each batch