



# PRODUCT SPECIFICATION DATA SHEET



## BOSS SYNTHETIC INDUSTRIAL EP GEAR OILS

### Customer Benefits:

These synthetic Industrial Gear Oils are formulated with synthetic base stock and a very strong additive package to ensure more than adequate lubrication in industrial gear set applications. These products meet and exceed the AGMA EP and Syn Gear standard gear set requirements.

### PERFORMANCE SPECIFICATIONS:

| Synthetic Extreme Pressure Gear Oils    | ISO 100 | ISO 150 | ISO 220 | ISO 320 | ISO 460 | ISO 680 |
|---|---------|---------|---------|---------|---------|---------|
| AGMA Syn Gear                           | 3S      | 4S      | 5S      | 6S      | 7S      | 8S      |
| VK 100 C-ASTM D-445                     | 13.31   | 17.77   | 23.18   | 30.99   | 39.83   | 52.32   |
| VK 40 □ C-ASTM D-445                    | 99.30   | 150.24  | 219.30  | 325.93  | 475.59  | 674.67  |
| Viscosity Index<br>ASTM D-445           | 133     | 131     | 130     | 132     | 130     | 134     |
| Flash Point C<br>ASTM D-92              | 237     | 236     | 236     | 236     | 240     | 240     |
| Fire Point<br>ASTM D-92                 | 259     | 260     | 262     | 260     | 274     | 274     |
| Pour Point<br>ASTM D-97                 | -43     | -43     | -40     | -37     | -33     | -33     |
| Four-Ball Wear Test<br>ASTM D-4172 Mod. | 0.40    | 0.40    | 0.40    | 0.40    | 0.39    | 0.39    |

|  |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|
| Copper Test<br>Corrosion Test ASTM<br>D-130 121C 3 Hours | 1B     | 1B     | 1B     | 1B     | 1B     | 1B     |
| Timken EP load<br>ASTM D-2782                            | 75 lbs | 75 lbs | 75 lbs | 75 lbs | 75 lbs | 75 lbs |
| Four Ball EP ASTM  | 315    | 315    | 315    | 315    | 315    | 315    |
| 2783 Weld Point kg<br>Load Wear Index Kgf                | 52     | 54     | 54     | 56     | 58     | 58     |
| FZG, Passed Stage<br>ASTM D-5182                         | 12     | 12     | 12     | 12     | 12     | 12     |