

### Multigrade Heavy Duty Diesel Engine Oils

Diesel Engine OPAL MIS 4700 Diesel Engine Oil is extra high performance Heavy- Duty Diesel Engine Oil specially developed for use in modern, low emission diesel engines, including those fitted with Exhaust Gas Re-Circulation (EGR) systems. This product meets the latest requirements of all major Engine manufacturers and offers exception and extended life to Diesel Engines operating on low or high sulphur Diesel. It is blended from selected base stocks and new generation performance additives

### PERFORMANCE, FEATURES & BENEFITS

- **Equipment manufacturer acceptance OPAL MIS 4700 multigrade is meets /exceeds for use in a variety of engine application by leading OEMs**
- **Outstanding thermo- Oxidative stability reduces deposits and Oil thickening.**
- **Excellent soot handling capability protects against soot induced viscosity increase and wear**
- **High shear stability ensures viscosity control at elevated temperatures and reduces oil consumption and wear.**
- **Superior protection against corrosive wear helps in sustaining engine durability.**
- **Excellent TBN retention helps in countering harmful effects**

### MAIN APPLICATIONS

- Heavy duty Diesel Engines used in mining, construction agriculture & other off-highway applications for mixed fleet applications and gasoline engines, SAE 15W-40 oil is recommended.
- Turbocharged and naturally aspirated diesel engines used in on-highway applications including those fitted with EGR systems

### SPECIFICATIONS & RECOMMENDATIONS

- API: CI-4/SL
- ACEA E7

### PRODUCT SPECIFICATIONS

| TEST PARAMETER  | TEST METHOD | TYPICAL VALUE    |
|-----------------|-------------|------------------|
| Appearance      | Visual      | Clear and bright |
| KV @ 40°C       | ASTM D445   | 110              |
| KV @ 100°C      | ASTM D445   | 14.8             |
| Viscosity Index | ASTM D2270  | ≥ 125            |
| Density @ 15°C  | ASTM D4052  | 0.879            |
| Flash Point     | ASTM D92    | ≥ 210            |
| Pour Point      | ASTM D97    | -30              |
| CCS @ -20°C     | ASTM D5293  | 6700             |
| TBN             | ASTM D2896  | 11.0             |

\* Note: Typical value; may vary slightly. Please contact your SBK representative for the current batch COA (Certificate Of Analysis)