



EMBLEM DIESELUBE SERIES 3 MOTOR OILS

EMBLEM Dieselube Series 3 Motor Oil meet or exceed military specification MIL-L-2104D and are recommended for diesel engines manufactured by Caterpillar, Detroit Diesel, Mack, Cummins, Allis Chalmers International Harvester and John Deere where protection against oxidation, foam and acid is required. The superior additives and high viscosity index base oils provide engine protection under most adverse conditions of temperature extremes, severe engine loading and variable fuel quality.

Typical Properties

| SAE GRADE | 10W* | 20W20 | 30 | 40 | 50 |
|--------------------------|-------|-------|-------|-------|-------|
| Viscosity, SUS @ 210 °F | 46 | 55 | 66 | 78 | 98 |
| Viscosity, cSt @ 100 °C | 6.0 | 8.8 | 11.9 | 15.0 | 19.9 |
| Viscosity, SUS @ 100 °F | 185 | 285 | 465 | 730 | 1100 |
| Viscosity, cSt @ 40 °C | 39.6 | 61.3 | 100.4 | 157.4 | 237.5 |
| Viscosity, CCS @ - 18 °C | 12000 | 48000 | --- | --- | --- |
| Viscosity Index | 100 | 100 | 95 | 95 | 95 |
| Gravity °API | 29.5 | 28.5 | 27.5 | 26.5 | 26.0 |
| Flash Point COC °F | 410 | 425 | 435 | 440 | 450 |
| Pour Point °F | - 20 | -10 | 0 | 10 | 15 |
| Color | 4 1/2 | + 5 | - 6 | - 6 | 7 |
| Sulfated Ash % wt. | .96 | .96 | .96 | .96 | .96 |
| TBN (ASTM 2896) | 9 | 7 | 7 | 7 | 7 |

EMBLEM Dieselube Series 3 meets or exceeds the performance requirements of the following:

API Service: SF/CD-CE

| | |
|---------------------------|--------------------------------------|
| Diesel - CAT (Former S-3) | Cummins (T.C.) |
| Allis Chalmers | John Deere |
| Detroit Diesel 7SE270 | Mack EOG; EOH |
| International Harvester | Ford ESE-M2C153-C (Extended Drain) * |

Military - MIL-L-46152B MIL-L-2104D

SAE 10W meets the Allison Type C-3 transmission fluid specification and Caterpillar TO-2 requirements.