



## EMBLEM UNILUBE MOTOR OILS

**EMBLEM** Unilube is truly a "universal" engine oil designed for service in turbo charged and naturally-aspirated diesel engines and gasoline engines under all operating conditions. Unilube controls combustion chamber and valve surface deposits while offering high resistance to oxidation, wear, corrosion under severe loads and temperature variation. Its "goof-proof" design reduces chance of using the wrong oil in mixed fleet operations.

### Typical Properties

| SAE GRADE                | 10W   | 20W-20 | 30*  | 40   |
|--------------------------|-------|--------|------|------|
| Viscosity, SUS @ 210 °F  | 46    | 55     | 66   | 78   |
| Viscosity, SUS @ 100 °F  | 185   | 285    | 465  | 730  |
| Viscosity, SUS @ 0 °F    | 12000 | 48000  | ---  | ---  |
| Viscosity Index          | 100   | 100    | 95   | 95   |
| Gravity °API             | 29.5  | 28.5   | 28.0 | 27.0 |
| Flash Point COC °F       | 410   | 425    | 435  | 440  |
| Pour Point °F            | - 20  | - 20   | - 10 | 0    |
| Color ASTM D1500         | 3     | 5      | 5    | 6    |
| TBN                      | 8     | 8      | 8    | 8    |
| Sulfated Ash, Max. % wt. | 1     | 1      | 1    | 1    |

Emblem Unilube Motor Oils meet or exceed the performance requirements of the following:

### API Service:SF-SG/CD-CDII-CE CF-2

| Diesel                  | Gasoline          |
|-------------------------|-------------------|
| CAT TO-2                | Ford ESE-M2C153-C |
| Mack EO-J, EO-K         | Chrysler MS 6395  |
| Cummins (N.A. & T.C.)   | GMC 6048-M        |
| International Harvester | American Motors   |
| Allis Chalmers          | <b>Military</b>   |

|                        |                                    |
|------------------------|------------------------------------|
| John Deere             | MIL-L-2104D,                       |
| Detroit Diesel Allison | MIL-L-46152B, (Former) MIL-L-2104B |

\*SAE 10W and 30 meet the Allison Type C-3 transmission fluid specification and Caterpillar TO-2 requirements.