

DESCRIPTION

PETROMIN DIESEL HD3 Series heavy duty oil is developed primarily for high output, naturally aspirated or supercharged diesel engines, operating under moderate conditions.

PETROMIN DIESEL HD3 oil series are formulated from high VI mineral base oils and chemical additives which provide dispersant, detergent, anti-oxidant, anti-wear, anti-rust properties.

APPLICATION

PETROMIN DIESEL HD3 Series oil is recommended for use in diesel engines fitted in automotive, agricultural and construction equipments, operating in fleet and construction business where relatively moderate sulphur fuel is used and other severe service factors are considered.

BENEFITS

- Excellent protection against the effects of high-sulphur fuels.
- Good control of high temperature deposits.
- Improved resistance to ring sticking, ring and cylinder wear, valve and combustion deposits.
- Long engine life.

PERFORMANCE LEVEL

| | |
|-------------------|------|
| API..... | CF |
| CATERPILLAR | TO-2 |
| ALLISON | C-3 |

PRODUCT CHARACTERISTICS*

| PROPERTIES | UNITS | VALUE | | | | | TEST METHOD |
|--------------------------|--------------------|--------------------|-------------|-------------|-------------|-------------|-------------|
| | | 10W | 20 | 30 | 40 | 50 | |
| SAE Grade | - | 10W | 20 | 30 | 40 | 50 | - |
| Specific Gravity @ 15 °C | - | 0.8829 | 0.889 | 0.8953 | 0.9005 | 0.9032 | ASTM D-4052 |
| Viscosity @ 40 °C | mm ² /s | 32.05 | 56.0 | 92.7 | 151.8 | 213.6 | ASTM D-445 |
| | @ 100 °C | mm ² /s | 5.54 | 7.8 | 10.79 | 14.89 | 18.55 |
| Viscosity Index | - | 109 | 104 | 100 | 97 | 96 | ASTM D-2270 |
| Flash Point, COC | °C | 224 | 224 | 232 | 258 | 268 | ASTM D-92 |
| Pour Point | °C | -30 | -24 | -21 | -18 | -15 | ASTM D-97 |
| Color | - | 1.5 | 2.5 | 2.5 | 3.0 | L 3.5 | ASTM D-1500 |
| Sulphated Ash | % wt. | 1.145 | 1.145 | 1.145 | 1.145 | 1.145 | ASTM D-874 |
| Base Number | mg KOH/g | 8.1 | 8.5 | 8.5 | 8.5 | 8.5 | ASTM D-2896 |
| Product Code | - | 2310 | 2320 | 2330 | 2340 | 2350 | - |

*The information and figures given here are typical of current production and conform to specifications, minor variations may occur.