



DENEbola 1110

Product Description: Tesla Denebola 1110, SAE 15W-40 is “Super High Performance Diesel” (SHPD) engine oil providing superior performance and long service potential in high output, high speed, and turbo charged engines operating under severe conditions. Tesla Denebola 1110 has been formulated with carefully selected additives in mineral base stocks, to provide excellent detergency, dispersancy and anti-wear performance.

Tesla Denebola 1110 has been especially developed to meet the requirements of engines conforming to Euro 2 and Euro 3 emission standards and meets the stringent requirements of most “Original Equipment Manufacturers” (OEM’s). Tesla Denebola 1110 has excellent thermo-oxidative stability controlling deposits and viscosity increase. Excellent soot handling controls soot induced oil thickening and effectively prevents wear. Tesla Denebola 1110 reduces piston deposits, protects against “Bore Polishing”, reduces oil consumption and allows extended drain intervals.

Tesla Denebola 1110 is recommended for all turbo charged and naturally aspirated diesel engines, such as used in on highway light and heavy duty trucking, construction, mining, agriculture and other off highway applications.

Specifications: ACEA E3-04, API CH-4/CG-4/CF-4/SJ/SL, MB 228.2/3, MAN M3275, Volvo VDS-3, MTU Category Type 2, Mack EO-M Plus, Cummins CES 20072/71, Global DHD-1, JASO DH-1 and SAE 15W40

| Property: | Test Method: | Typical | Typical | Typical |
|---|--------------|---------|---------|---------|
| SAE Viscosity Grade | SAE J300 | 25W 60 | 20W 50 | 15W-40 |
| Density @ 15 °C kg/m ³ | ASTM D4052 | 900 | 881 | 886 |
| Kinematic Viscosity @ 40 °C mm ² /s | ASTM D7042 | 200.1 | 192 | 113 |
| Kinematic Viscosity @ 100 °C mm ² /s | ASTM D7042 | 22.3 | 21.4 | 15.4 |
| Viscosity Index | ASTM D2270 | 135 | 134 | 143 |
| Flash Point (COC) °C | ASTM D92 | 245 | 238 | 224 |
| Pour Point °C | ASTM D97 | -20 | -27 | -27 |
| Total Base Number (TBN) mgKOH/g | ASTM D2896 | 11.5 | 11.5 | 11.5 |
| P.Code | | | | 1116 |

Color Varies from Country to Country. Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. Advice and opinion noted herein are given in good faith and on the basis of the best information available, information is based on past history of the grade only and must not be construed as a guarantee of performance nor any legal liability is accepted by Tesla Corporation or any of its affiliates. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available with your nearest TESLA office or at www.teslalube.com © Tesla Corporation, 2011

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Date Superseded:

Revision nr:

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