



ZINC FREE TRUSTMAR BN14

Zinc Free TRUSTMAR series are high performance, specifically designed to provide excellent engine cleanliness and oil filter life in the modern Marine, Power generation applications and railroad diesel locomotive engines. These oils are formulated with an additive package endorsed by engine manufacturers' and meet the requirements of newer diesel locomotive engines of General Electric (GE) and Electro Motive Division (EMD) of General Motors. Though the newer engines consume significantly less oil and operate at higher temperatures, the excellent TBN retention property and improved oxidation resistance of Zinc Free TrustMAR Provide superior service and facilitate extended drain intervals. This oil exceeds the performance requirements of Locomotive Maintenance Officers Association (LMOA) Generation 5 and API CF/CF-2.

APPLICATION:

Zinc Free TrustMar14 engine oil is suitable for:

- LMOA Generation 7
- Specifically designed for use in Medium-speed two-cycle and four-cycle diesel engines such as those typically employed in Railroad locomotives and certain Marine and stationary diesel engine applications
- Backwards compatibility and increased benefits to older model EMD and GE engines when combined with used oil trend analysis and condition based monitoring
- Marine and stationary engines for power generation or off-shore drilling requiring zinc-free oils
- Stationary engines requiring API CF and CF-2 quality oils

Performance levels

- API CF-CF-2
- LMOA Generation 5
- General Motors EMD
- GE Generation 4 Long Life

Benefits

- Exceptional detergency/dispersancy to provide excellent engine cleanliness, especially engine top decks
- Excellent in-service retention of TBN to facilitate extended drain intervals
- High thermo-oxidative stability to protect against sludge formation, hence providing cleaner engines
- Zinc-free formulation to protect silver bearings against corrosion
- Non-chlorinated additive package to help in reducing used oil disposal costs

TYPICAL CHARACTERISTICS

TEST	UNITS	ASTM TEST METHOD	RESULTS
SAE GRADE	-	-	TRUSTMAR 1440
Appearance			C&B
Kinematic Viscosity@40°C	mm ² /s	D445	141
Kinematic Viscosity@100°C	mm ² /s	D445	14.7
Viscosity Index		D2270	102
Density@15°C	Kg/m ³	D1298	0.885
Pour Point	°C	D97	-15
Flash point	°C	D92	240
TBN	Mg/KOH/g	D2897	14
Sulphated Ash	%	D874	1.15

***Some variations in Product typical characteristics should be expected during manufacturing

PACK SIZE: 25Litres ,205Litres AND BULK

Health and Safety: This Product is not classified as hazardous under E.C Dangerous substance preparation Directives. It does not require any special care other than the normal practice for handling petroleum products