

PRODUCT DATA SHEET

ENGINE OIL RR PLUS

Petromin Engine Oil RR PLUS is premium quality rail road engine oil in SAE 40 grade. It is blended to be used as crankcase oils in most demanding medium speed and large railroad engine to satisfy the engine needs of lower Sulphur fuels and emission control system for both new & older locomotive engines.

It is zinc-free for the protection of silver bearings and chlorine free to minimize environmental impact. The balanced detergent, dispersant, and anti-wear system allows this 13 TBN oil to provide superior soot, sludge, viscosity, and wear control resulting in improved engine cleanliness, lower wear and a lower particulate emissions.

The advanced technology provides superior liner scuffing protection, reduced ring wear, and reduced piston deposits. Improved thermal and oxidative stability minimizes oil degradation and reduces sludge to provide long drain intervals and improved filter life.

BENEFITS

- Excellent oxidation stability.
- It gives extended drain intervals, filter life and lower oil consumption, which improves locomotive efficiency and reduces maintenance cost.
- Good alkalinity retention.
- Excellent protection of silver alloy bearings
- Excellent rust and bearing corrosion protection

APPLICATIONS

- All railroad, marine and stationary engines (power generation, off-shore drilling) where zinc-free oils are required.
- All 2 and 4-strokes, naturally aspirated or turbocharged medium speed diesel engines.

SPECIFICATIONS & APPROVALS

Petromin Engine Oil RR PLUS has the following Builder Approvals:

- EMD

Petromin Engine Oil RR PLUS meets or exceeds the requirements of:

- API CF/ CF-2
- Caterpillar 3600
- LMOA Generation V
- GE Generation 4 Long Life



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PRODUCT CHARACTERISTICS*

PROPERTIES	UNITS	VALUE	TEST METHOD
SAE GRADE	-	40	-
RR Code	-	4013	-
Color	-	4.5	ASTM D-1500
Specific Gravity @ 15 °C	-	0.902	ASTM D-4052
Viscosity @ 40 °C	mm ² /s	148.0	ASTM D-445
@ 100 °C	mm ² /s	15.1	ASTM D-445
Viscosity Index	-	103	ASTM D-2270
Flash Point, COC	°C	272	ASTM D-92
Pour Point	°C	-6	ASTM D-97
Zinc	ppm	< 3.8	ASTM D-4951
Base Number	mg KOH/g	13	ASTM D-2896
Sulphated Ash	% wt	1.41	ASTM D-874
Product Code	-	2470	-

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

