



## MOMENTA RAILROAD ENGINE OIL (TBN-17) MINERAL

### PRODUCT DESCRIPTION:

Momenta Railroad Engine Oil is a heavy duty, medium speed diesel engine crankcase oil. It is a high dispersant oil and will keep the by-products of combustion and oxidation finely divided and suspended. Momenta Railroad Engine Oil helps maintain a clean right belt area, valve deck, crankcase, and piston under crowns.

### APPLICATION:

Momenta Railroad Engine Oil is specified for service with railroads and marine applications where a zinc-free engine oil is required. In BN 17 oil, Railroad Engine Oil meets API CF.

Railroad Engine Oil is suitable for medium speed two-cycle and four-cycle diesel engines, including:

- ALCO
- Electromotive Diesel
- Fairbanks Morse
- General Electric

### FEATURES & BENEFITS:

- Helps maintain a clean ring belt area, valve deck, crankcase and piston under crowns
- Has excellent retention for acid neutralization and wear control
- Sludge build-up due to soot and moisture contamination is minimized
- Its non-zinc formulation protects silver bearings and helps provide for minimum wear of rings, pistons, and liners
- Less than 10 ppm Chlorine

### PERFORMANCE LEVELS: Meets or Exceeds:

- API Service Category CF (BN 17)
- Electromotive Division of General Motors
- General Electric Generation 4 Long Life Oils
- Locomotive Maintenance Officer Assoc. LMOA (Generation 5)

### TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	API: CF	
			40	20W-40
SAE Grade			40	20W-40
Kinematic Viscosity @ 104°F / 40°C	ASTM D7042	cSt	TBR	TBR
Kinematic Viscosity @ 212°F / 100°C	ASTM D7042	cSt	15.3	15.5
Viscosity Index	ASTM D2270	-	95	120
Density@15°C/ 60°F	ASTM D4052	g/cm <sup>3</sup>	TBR	TBR
Flash Point (min)	ASTM D92	°C	220	220
Pour Point (max)	ASTM D97	°C	-9	-24
TBN	ASTM D2896	Mg KOH/g	17	17
CCS	ASTM D5293	m.Pa.S	N/A	9200 (-15)

**DISCLAIMER:** The test data provided above is not a specification but is indicative and may vary within permissible production tolerances. Lubrex reserves the right to modify this test data. Updated information will supersede previous versions, so please refer to the latest version of this Technical Data Sheet (TDS).

### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website [www.lubrex.net](http://www.lubrex.net)

### HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet [www.lubrex.net](http://www.lubrex.net)

### PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

### STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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