

## RALUBE 40 CFS LOCOMOTIVE ENGINE OIL



### Introduction

Ralube 40 CFS heavy duty engine oil is a premium quality crankcase oil, formulated for severe service in diesel locomotive engines, driving railroad locomotives, marine vessels and electric power generators. Ralube 40 CFS provides excellent deposit control, thereby maximizing engine life. Ralube 40 CFS engine oils are zinc and chlorine-free and utilize a specially selected additive system which provides excellent sludge-soot handling, oxidation resistance, wear protection and viscosity control. By minimizing engine deposits, Ralube 40 CFS allows maximum oil drain intervals to be achieved without any compromise in engine durability.

### Features and Benefits

- **Lower maintenance costs and longer engine life**
  - Resists formation of deposits
  - Excellent corrosion control
  - Exceptional Total Base Number (TBN) retention
  - Extends filter life
- **Chlorine free**
  - Improved used oil disposal / recycling options
  - Excellent wear protection
- **Exceptional protection of silver bearings**
  - Zinc-free formulation
- **Outstanding oxidation and thermal stability**
  - Sludge-soot handling and viscosity control
  - Extends intervals between oil changes
  - Reduces filter plugging

### Applications

Ralube CFS engine oils are recommended for use in large medium-speed railroad diesel engines.

Ralube 40 CFS is suitable for use in the following requirements:

- EMD Oxidation / Corrosion
- G.E. Oxidation
- Union Pacific Oxidation Test
- CAT 1G-2 (bench engine)
- API CF
- CF-II
- Caterpillar 3600 Series approved (3333 Marine ALX6998/98)
- General Electric Generation 4 long life
- LMOA 5 at 13 TBN

#### What is the HT difference?

Petro-Canada starts with the patented HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



## Typical Performance Data

PROPERTY	TEST METHOD	Ralube 40 CFS
Flash Point, °C/°F	ASTM D92	272 / 522
Kinematic Viscosity		
cSt @ 40°C / SUS @ 100°F	ASTM D445	144.0 / 754.84
cSt @ 100°C / SUS @ 210°F	ASTM D445	14.6 / 78.04
Viscosity Index	ASTM D2270	105
Pour Point, °C/° F	ASTM D5950	-27.0 / -16.6
Sulphated Ash, % wt	ASTM D874	1.5
Total Base No. (TBN), mg KOH/g	ASTM D2896	13.8

## Health and Safety

To obtain Material Health and Safety Data Sheets, contact one of Petro-Canada's TechData Info Lines.

## TechData Info Lines

If you would like to know more about Ralube 40 CFS locomotive engine oil, or any other product in our complete line of quality lubricants, please contact us at:

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