# **OIL ANALYSIS REPORT**

## RAG TOP ZF 20088293 - INBOARD - PORT GEARBOX

Sample No: VPA051949

Oil Type: DIESEL ENGINE OIL SAE 15W40

#### SAMPLE INFORMATION Sample Number VPA051949 09 Oct 2023 Sample Date Machine Hours 529 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: Visc @ 40°C cSt 92.0 CONTAMINATION Silicon ppm 3 Sodium ppm 2 Potassium ■<1 ppm WEAR METALS PO 17 Iron 19 ppm Copper ppm 23 Lead ppm 1 Tin ppm **||** <1 2 Aluminum ppm Chromium ppm **||** <1 Molybdenum 31 ppm Nickel 0 🔲 ppm Titanium 1 ppm Silver 0 ppm Manganese ■ <1 ppm Vanadium 0 ppm **ADDITIVES** Calcium 3123 ppm Magnesium 83 ppm Zinc ppm 1113 Phosphorus ppm 961 Barium 0 🔲 ppm **4** Boron ppm

# VOLVO PENTA

North Harbor Diesel Inc 720 30Th Street ANACORTES, WA US 98221 Contact: ROBBIN MURDOCK robbin@northharbordiesel.com T: (360)299-1904

### Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP179089

 Unique No:
 10711066

 Signed:
 Don Baldridge

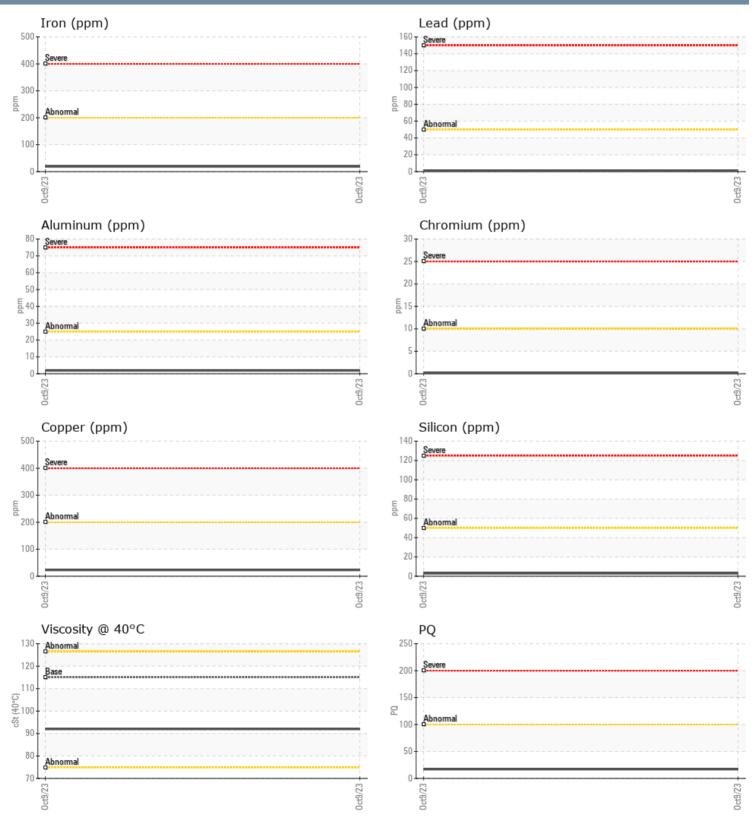
 Report Date:
 26 Oct 2023

Contact/Location: ROBBIN MURDOCK - VP179089

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### GRAPHS



Contact/Location: ROBBIN MURDOCK - VP179089