OIL ANALYSIS REPORT

CARTER PB50-39 VOLVO PENTA 3940022637 - STARBOARD IPS

Sample No: VPA047329

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION Sample Number VPA047329 VPA048460 Sample Date 03 Sep 2023 22 Sep 2022 Machine Hours 705 525 360 **Oil Hours** 175 Oil Changed Changed Changed ATTENTION Sample Status ATTENTION **OIL CONDITION** F: Visc @ 40°C cSt 107 105 CONTAMINATION Silicon ppm 15 16 Sodium 9 ppm 15 Potassium 1 2 ppm WEAR METALS PO 19 21 Iron **A** 250 **2**97 ppm Copper ppm 25 25 Lead ppm 0 <1 Tin ppm <1 <1 1 6 Aluminum ppm Chromium ppm 2 3 Molybdenum ■ <1 1 ppm Nickel 4 3 ppm 0 Titanium ppm <1 Silver 0 ppm <1 7 Manganese 4 ppm Vanadium 0 <1 ppm **ADDITIVES** Calcium 10 ppm 6 13 Magnesium 2 ppm Zinc ppm 3 18 Phosphorus ppm 1335 1354 Barium 0 0 ppm 229 274 Boron ppm

GRAND BANKS

450 SW SALEM RD STUART, FL US 34994 Contact: ROBERT ANTONA roberta@gbmarinegroup.com T: (609)384-5290

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP531377

 Unique No:
 10642704

 Signed:
 Jonathan Hester

 Report Date:
 13 Sep 2023

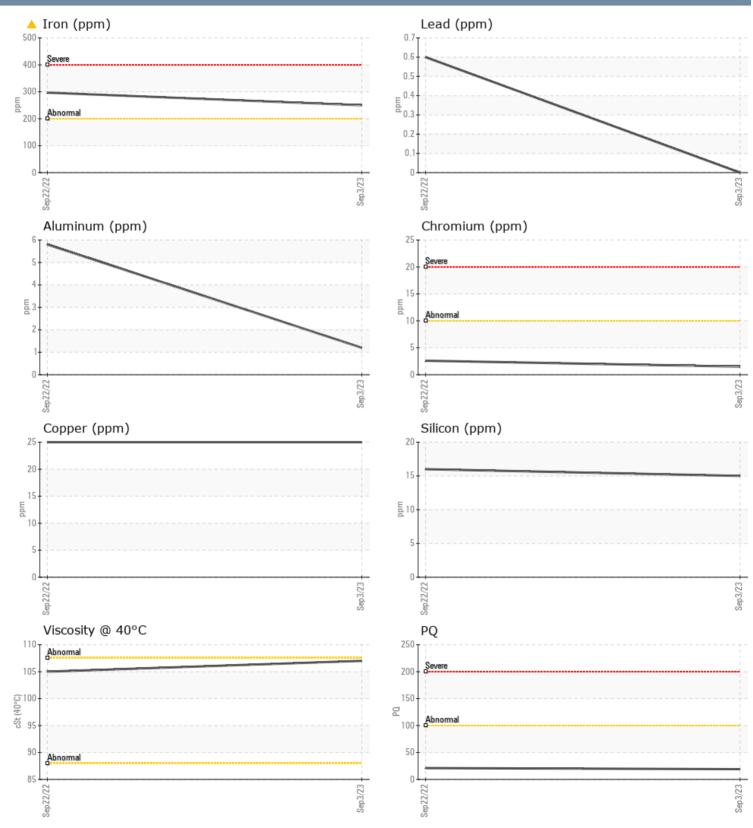
Contact/Location: ROBERT ANTONA - VP531377



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GRAPHS



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