OIL ANALYSIS REPORT

JONATHAN CHESNER 3166-223 VOLVO PENTA 3950001960 - STARBOARD IPS

Sample No: VPA258849

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION Sample Number VPA258849 VPA023837 Sample Date 19 Jun 2023 16 Aug 2022 Machine Hours 1023 872 200 200 **Oil Hours** Oil Changed Changed Changed ABNORMAL Sample Status NORMAL **OIL CONDITION** F: Visc @ 40°C cSt 106 108 CONTAMINATION % **0.352** Water Silicon 2 ppm 4 Sodium 0 🔲 3 ppm Potassium ppm 16 <1 WEAR METALS PO 22 22 58 150 Iron ppm Copper 6 9 ppm Lead <1 0 ppm 0 0 Tin ppm Aluminum ppm <1 4 Chromium □ <1 <1 ppm **||** < 1 1 Molybdenum ppm **||** <1 0 Nickel ppm Titanium 0 0 ppm Silver 0 0 ppm 3 Manganese 2 ppm Vanadium 0 0 ppm **ADDITIVES** 4 Calcium ppm 5 16 Magnesium ppm 1 Zinc ppm 19 57 Phosphorus ppm 1359 1328 Barium ppm 0 < 1 319 Boron ppm 366

GRAND BANKS

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

VOLVO PENTA

Diagnosis

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Appearance is hazy. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

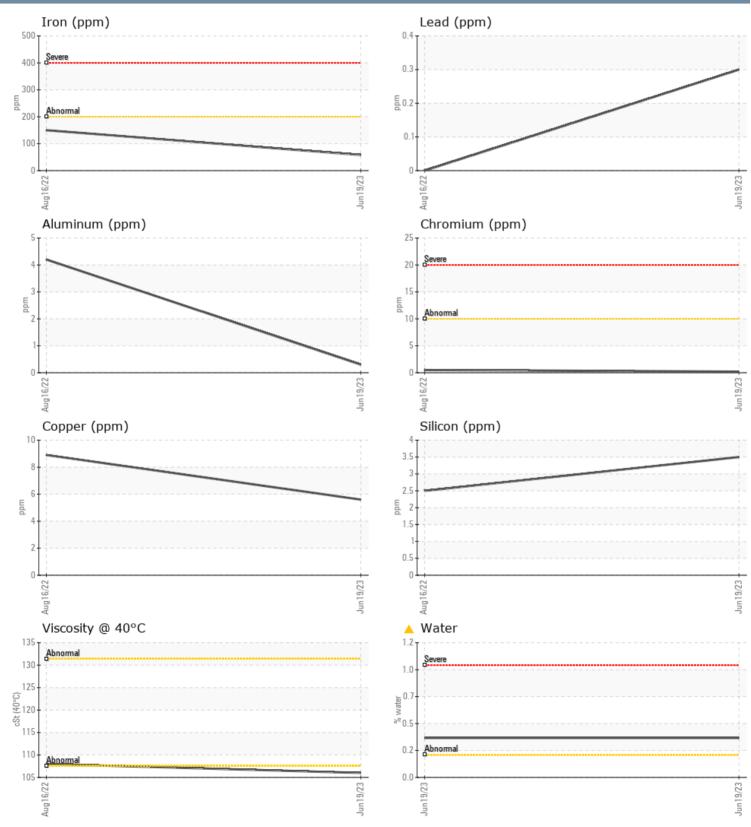
Depot:	VP531377
Unique No:	10534226
Signed:	Doug Bogart
Report Date:	07 Jul 2023

Contact/Location: ROBERT ANTONA - VP531377

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GRAPHS



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Contact/Location: ROBERT ANTONA - VP531377