OIL ANALYSIS REPORT

JOSHUA SMITH 533400 VOLVO PENTA A521691 - PORT DIESEL ENGINE

Sample No: VPA036606

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION VPA036606 Sample Number Sample Date 06 Oct 2023 Machine Hours 316 **Oil Hours** 101 Oil Changed Not Changd MARGINAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 14.17 Base Number (BN) mg KOH/g 8.7 Oxidation (PA) % 69 CONTAMINATION Soot % % 0.3 % Nitration (PA) 68 Sulfation (PA) % 56 % Glycol NEG Fuel % <1.0 Silicon ppm 8 Sodium 2 ppm Potassium 0 🔲 ppm WEAR METALS Iron ppm 22 Copper 8 ppm Lead ppm 8 🔲 Tin 1 ppm Aluminum **A** 39 ppm Chromium 3 ppm Molybdenum 51 ppm Nickel 1 ppm Titanium **||** <1 ppm Silver ppm 0 Manganese **||** <1 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1195 ppm Magnesium 800 ppm Zinc ppm 926 Phosphorus ppm 796

Jas Marine Service Inc. 1009 Newman RD. LAKE PARK, FL US 33403 Contact: DEBBIE debbie@jasmarine.com

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The aluminum level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VP152963

 Unique No:
 10686572

 Signed:
 Doug Bogart

 Report Date:
 10 Oct 2023

0 🔲

53

ppm

ppm

Barium

Boron

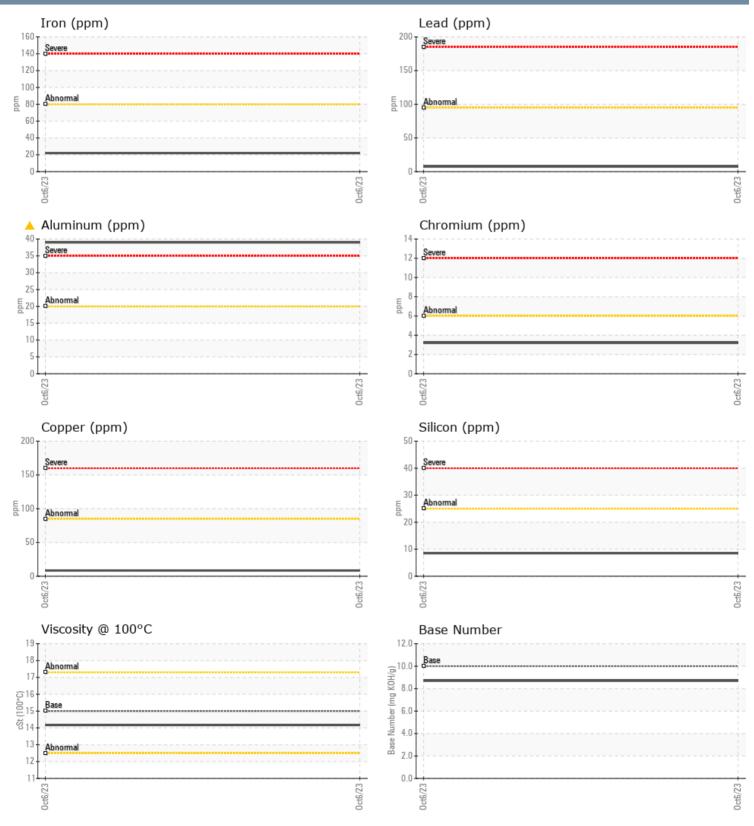
Contact/Location: DEBBIE ? - VP152963



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GRAPHS



Contact/Location: DEBBIE ? - VP152963