OIL ANALYSIS REPORT

VOLVO PENTA 20132108871 - STARBOARD DIESEL ENGINE

Sample No: VPA036980

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION VPA036980 Sample Number Sample Date 19 Apr 2024 Machine Hours 451 **Oil Hours** 0 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.5 Base Number (BN) mg KOH/g 9.5 Oxidation (PA) % 53 CONTAMINATION % NEG Water % Soot % 0.2 Nitration (PA) % 41 % Sulfation (PA) 51 Glycol % NEG Fuel % <1.0 Silicon 7 ppm Sodium 1 ppm Potassium **||** <1 ppm WEAR METALS Iron 4 ppm **||** <1 Copper ppm Lead ppm **||** < 1 Tin ■ <1 ppm Aluminum ppm **||** <1 Chromium ppm 0 Molybdenum 55 ppm Nickel 0 ppm Titanium ppm **||** <1 Silver 0 ppm Manganese <1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1022 ppm 911 Magnesium ppm Zinc ppm 1151 999 Phosphorus ppm Barium 0 ppm Boron ppm ■ <1 Depot:

VPONEWES

Unique No: 10990930 Signed:

Sean Felton **Report Date:** 24 Apr 2024

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Contact/Location: NED DOZIER - VPONEWES

ONE WATER YACHT GROUP 101 N CLEMATIS ST, UNIT 150

WEST PALM BEACH, FL US 33401 Contact: NED DOZIER ned@owyg.com T: (443)995-0732 F:

Diagnosis

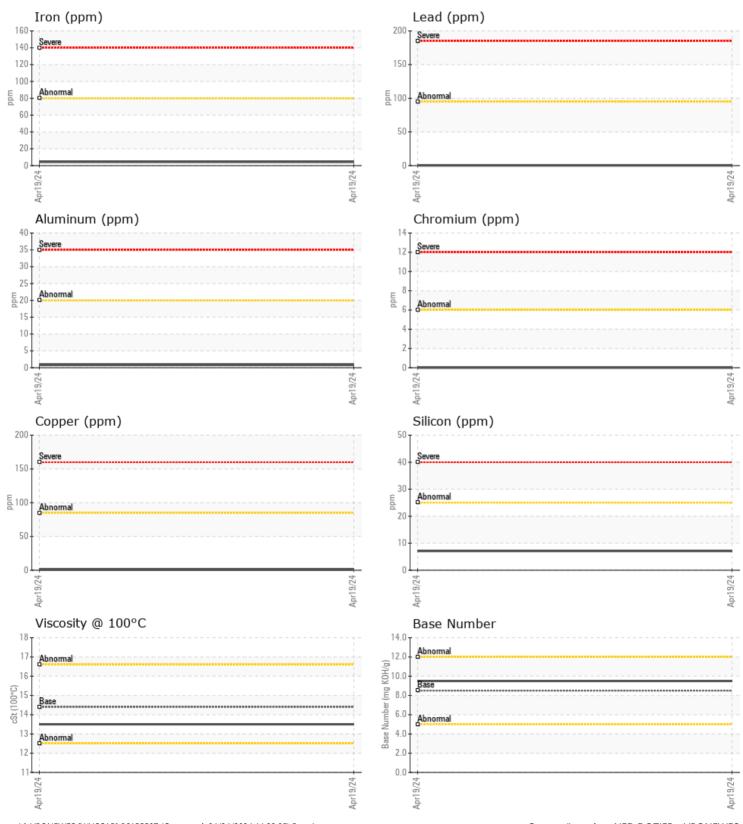
No corrective action is recommended at this time. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



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GRAPHS



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