OIL ANALYSIS REPORT

BRUCE DYER VOLVO PENTA 2013754023 - PORT DIESEL ENGINE

Sample No: VPA031180

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION VPA031180 VPA037609 Sample Number Sample Date 06 Dec 2023 18 Aug 2021 Machine Hours 1297 509 **Oil Hours** 0 70 Oil Changed Not Changd Not Changd NORMAL Sample Status NORMAL **OIL CONDITION** Visc @ 100°C cSt 13.7 13.5 Base Number (BN) mg KOH/g 9.0 Oxidation (PA) % 59 65 CONTAMINATION % Water NEG NFG % Soot % 0.3 0.1 Nitration (PA) % 54 57 Sulfation (PA) % 53 55 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 4 8 ppm Sodium **||** <1 1 ppm Potassium 2 2 ppm WEAR METALS 14 Iron 8 🔲 ppm 1 46 Copper ppm Lead ppm 0 🔲 < 1 Tin 0 <1 ppm Aluminum 0 ppm 1 Chromium <1 < 1 ppm 47 Molybdenum 62 ppm Nickel 0 🔲 0 ppm Titanium ppm 0 0 Silver 0 ppm Manganese 0 🔲 < 1 ppm 0 Vanadium ppm 0 **ADDITIVES** 1085 Calcium 1330 ppm Magnesium 560 941 ppm Zinc ppm 1126 1160 Phosphorus ppm 969 1019 Barium 3 0 ppm Boron ppm 30 3

COASTAL CAROLINA YACHT SALES

VOLVO PENTA

145 LOCKWOOD BLVD CHARLESTON, SC US 29403 Contact: STEVE VASAS steve@ccyachtsales.com T: F:

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VP568144

 Unique No:
 10778819

 Signed:
 Doug Bogart

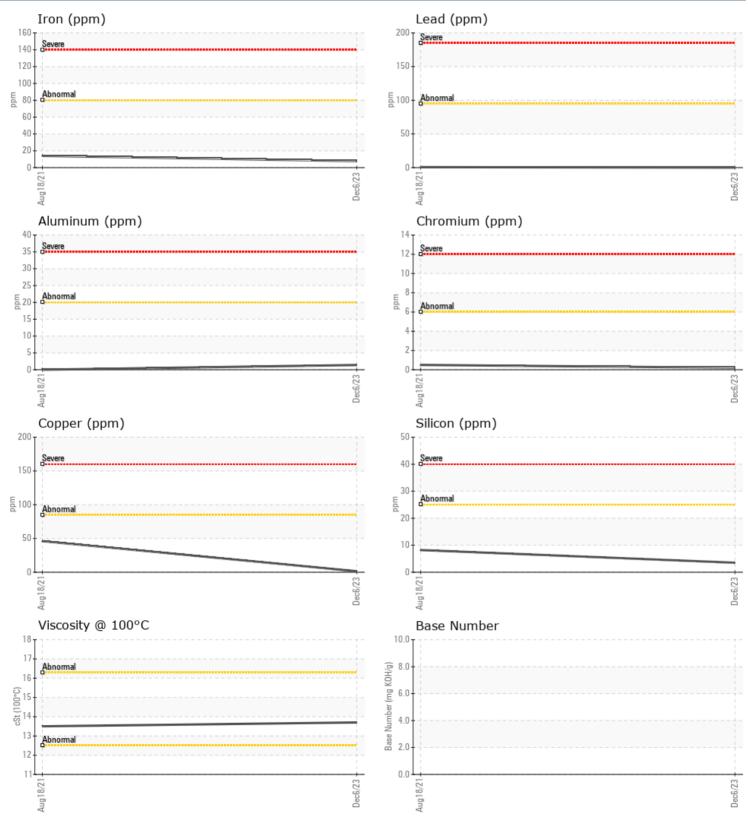
 Report Date:
 11 Dec 2023

Contact/Location: STEVE VASAS - VP568144

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GRAPHS



Report Id: VP568144 [WUSCAR] 06029028 (Generated: 12/11/2023 14:56:00) Rev: 1

Contact/Location: STEVE VASAS - VP568144