OIL ANALYSIS REPORT

JEFF SCOTT TOM VOLVO PENTA A517563 - STARBOARD DIESEL ENGINE

Sample No: VPA058002

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION VPA058002 VPA026313 Sample Number 20 Mar 2024 Sample Date 26 Jun 2020 Machine Hours 324 198 **Oil Hours** 0 0 Oil Changed Not Changd Not Changd NORMAL Sample Status NORMAL **OIL CONDITION** 13.5 Visc @ 100°C cSt 13.5 Base Number (BN) mg KOH/g 10.1 Oxidation (PA) % 55 57 CONTAMINATION Water % NEG NFG % Soot % 0.1 0.1 Nitration (PA) % 43 43 Sulfation (PA) % 50 54 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 6 7 ppm Sodium 38 1 ppm Potassium 15 0 ppm WEAR METALS 9 Iron 12 ppm 3 2 Copper ppm Lead ppm **||** < 1 3 Tin ■ <1 0 ppm Aluminum 2 ppm 4 Chromium <1 < 1 ppm Molybdenum 64 ppm 63 Nickel 1 < 1 ppm Titanium ppm **||** <1 < 1 Silver ■ <1 0 ppm Manganese <1 **||** <1 ppm Vanadium 0 ppm <1 **ADDITIVES** 1111 Calcium 1131 ppm Magnesium 982 1056 ppm Zinc ppm 1252 1226 Phosphorus ppm 998 1108 Barium 2 0 ppm Boron ppm 18 2 Depot: Unique No:

ADMIRALTY MARINE

2775 KURTZ ST, STE 12 SAN DIEGO, CA US 92110 Contact: Terry Albee TALBEE@ADMIRALTYMARINE.NET 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.

Signed: Jonathan Hester **Report Date:** 22 Mar 2024

Contact/Location: Terry Albee - VP151529

VP151529

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Report Id: VP151529 [WUSCAR] 06125342 (Generated: 03/22/2024 14:19:09) Rev: 1

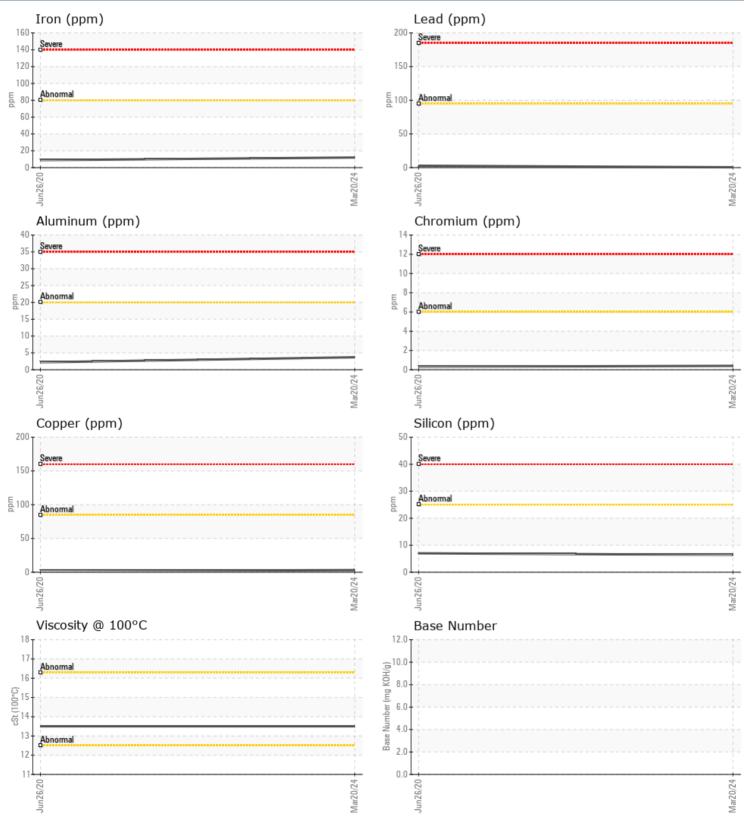
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