OIL ANALYSIS REPORT

VOLVO PENTA 70112017544 - STARBOARD DIESEL ENGINE

Sample No: VPA055997

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION VPA055997 Sample Number Sample Date 16 Apr 2024 Machine Hours 211 40 **Oil Hours** Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.8 Base Number (BN) mg KOH/g 9.6 Oxidation (PA) % 54 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 45 % Sulfation (PA) 50 Glycol % NEG Fuel % <1.0 Silicon 5 ppm Sodium 0 🔲 ppm Potassium 0 ppm WEAR METALS Iron 1 ppm 3 Copper ppm Lead 0 🔲 ppm Tin ■ <1 ppm Aluminum ppm **|** <1 Chromium <1 ppm Molybdenum ppm 63 Nickel 0 🔲 ppm Titanium ppm 0 🔲 Silver 0 ppm Manganese 0 🔲 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1206 ppm 806 Magnesium ppm Zinc ppm 1237 1057 Phosphorus ppm Barium 0 ppm Boron ppm 14

 Unique No:
 10981782

 Signed:
 Sean Felton

 Report Date:
 19 Apr 2024

Depot:

MARINE DIESEL SERVICES INC

1711 WHITTIER AVE, SUITE B COSTA MESA, CA US 92627 Contact: BEN ALMAZAN marinedieselservices@outlook.com;BEN@MARINEDIESELSERVICE.COM T: (949)612-8180 F: x:

Diagnosis

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.



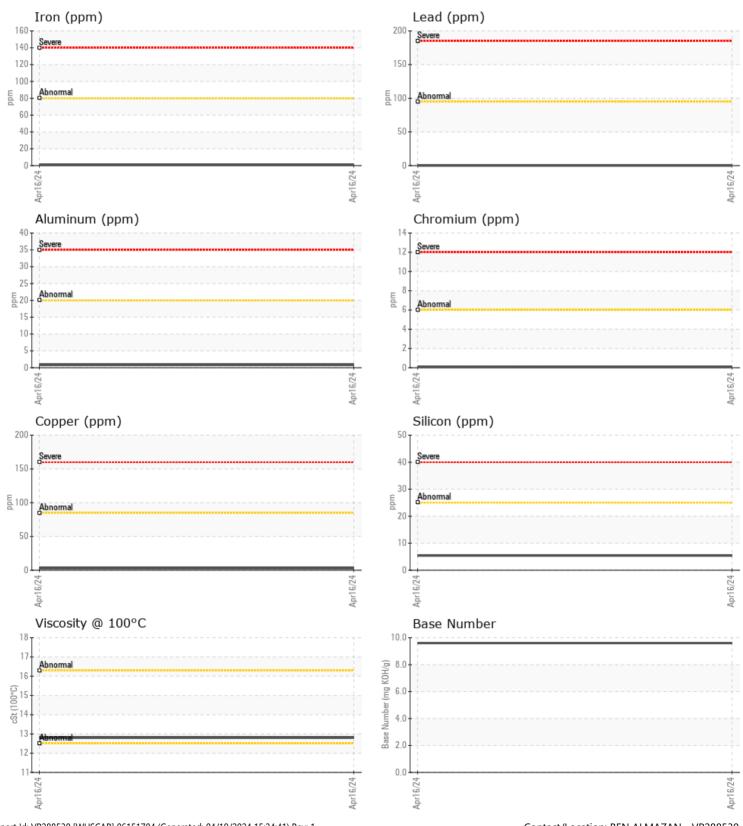
VP288530

Contact/Location: BEN ALMAZAN - VP288530

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP288530 [WUSCAR] 06151704 (Generated: 04/19/2024 15:24:41) Rev: 1

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