OIL ANALYSIS REPORT

VOLVO PENTA

TG CAPUTO KOHLER SGM32GNHH - GENSET

Sample No: VPA044456

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION VPA044456 VPA028458 Sample Number Sample Date 08 Aug 2023 01 Jul 2022 Machine Hours 371 293 **Oil Hours** 0 0 Oil Changed Changed Changed ATTENTION Sample Status NORMAL **OIL CONDITION** 13.8 Visc @ 100°C 13.9 cSt 9.7 Base Number (BN) mg KOH/g 9.0 Oxidation (PA) % 63 67 CONTAMINATION 0.1 Soot % % 0.1 % Nitration (PA) 48 53 Sulfation (PA) % 52 56 % Glycol NEG NEG Fuel % <1.0 < 1.0 Silicon ppm 41 57 Sodium 2 2 ppm Potassium 1 0 ppm WEAR METALS Iron ppm 6 8 Copper 1 2 ppm Lead ppm <1 1 Tin ■ <1 < 1 ppm Aluminum 2 ppm 0 1 Chromium **||** < 1 ppm Molybdenum 59 55 ppm Nickel 0 <1 ppm Titanium <1 < 1 ppm 0 Silver ppm <1 Manganese **||** <1 < 1 ppm Vanadium 0 0 ppm **ADDITIVES** Calcium 1153 1083 ppm Magnesium 1019 901 ppm **1270** Zinc ppm 1124 Phosphorus ppm 994 869 Barium ppm 0 0 Boron ppm 0 4

Suncoast Diesel Marine Inc. 610 Mount Vernan St OLDSMAR, FL US 34677 Contact: MARK WARREN oldsmar@suncoastdmi.com T: (813)475-5942 F: (813)475-5943

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VP945077

 Unique No:
 10603829

 Signed:
 Don Baldridge

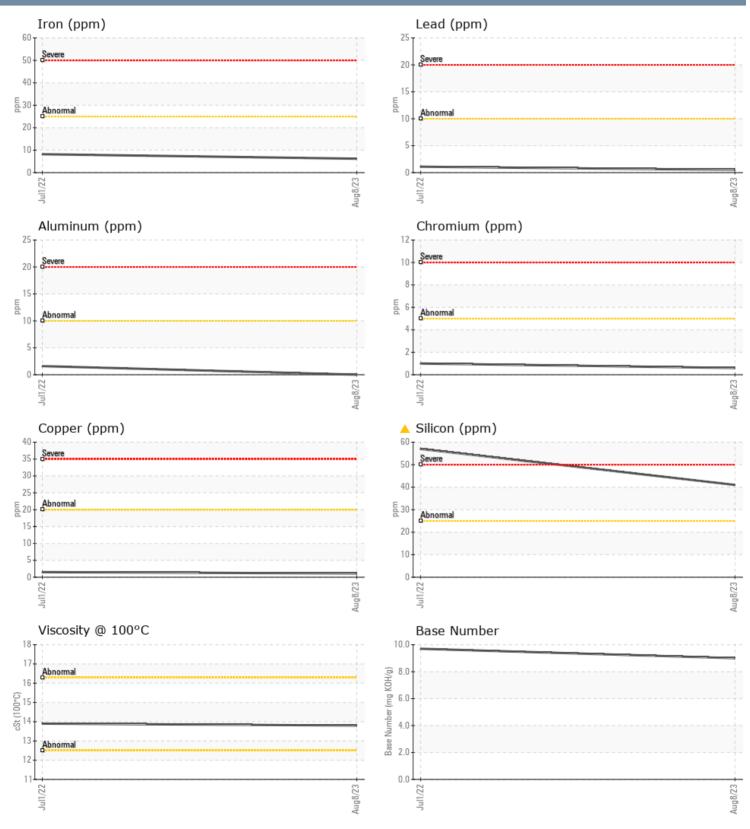
 Report Date:
 15 Aug 2023

Contact/Location: MARK WARREN - VP945077

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GRAPHS



Report Id: VP945077 [WUSCAR] 05923882 (Generated: 08/16/2023 11:06:34) Rev: 1

Contact/Location: MARK WARREN - VP945077