OIL ANALYSIS REPORT

RUBIN RUBIN ONAN G200782095 - GENSET

Sample No: VPA037178

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION VPA037178 Sample Number Sample Date 22 Jan 2024 Machine Hours 464 0 **Oil Hours** Oil Changed Changed ATTENTION Sample Status **OIL CONDITION** Visc @ 100°C cSt **11.7** Base Number (BN) mg KOH/g 9.2 Oxidation (PA) % 52 CONTAMINATION Water % NEG % Soot % 0.1 Nitration (PA) % 49 Sulfation (PA) % 49 Glycol % NEG Fuel % **2.8** Silicon 11 ppm Sodium 2 ppm Potassium **||** <1 ppm WEAR METALS 10 Iron ppm 3 Copper ppm Lead ppm 0 🔲 Tin ■ <1 ppm Aluminum ppm 3 Chromium 0 ppm 71 Molybdenum ppm 0 Nickel ppm Titanium ppm 0 0 Silver ppm Manganese **||** < 1 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1489 ppm **798** Magnesium ppm Zinc ppm 1280 1036 Phosphorus ppm Barium ■<1 ppm Boron ppm 4

VOLVO PENTA

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. Resample at the next service interval to monitor.All component wear rates are normal. Light fuel dilution occurring. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: V Unique No: 1 Signed: Ju Report Date: 3

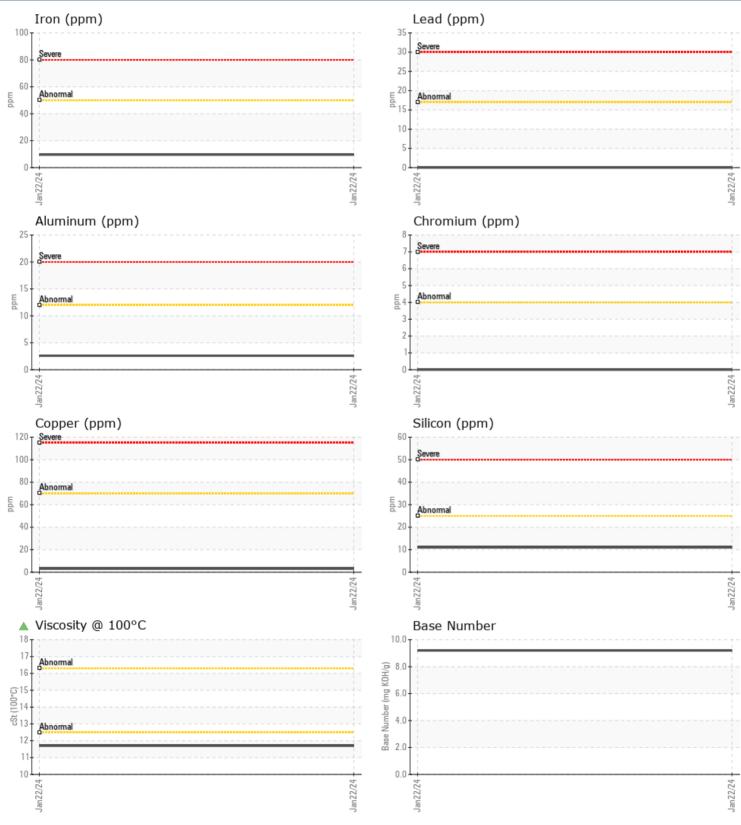
VP945077 10848722 Jonathan Hester 30 Jan 2024

Contact/Location: MARK WARREN - VP945077

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GRAPHS



Report Id: VP945077 [WUSCAR] 06072045 (Generated: 01/30/2024 22:04:15) Rev: 1

Contact/Location: MARK WARREN - VP945077