OIL ANALYSIS REPORT

TIM BROWN H10334 KOHLER 2003327 - GENSET

Sample No: VPA039763

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION Sample Number VPA039763 Sample Date 01 Nov 2022 Machine Hours 140 **Oil Hours** 1 Oil Changed Not Changd NORMAL Sample Status T: **OIL CONDITION** F: 13.9 Visc @ 100°C cSt Base Number (BN) mg KOH/g 11.8 Oxidation (PA) % 58 CONTAMINATION Soot % % 0.1 % Nitration (PA) 47 Sulfation (PA) % 50 % Glycol NEG Fuel % <1.0 Silicon ppm 10 Sodium 3 ppm Potassium ppm 3 WEAR METALS 10 Iron ppm Copper 1 ppm Lead ppm 1 🔲 Tin ■ <1 ppm Aluminum 1 ppm

Chromium **||** < 1 ppm Molybdenum 4 ppm Nickel 0 ppm Titanium 0 ppm Silver ppm 0 Manganese ■ <1 ppm Vanadium 0 ppm

ADDITIVES

Calcium	ppm	2253	 	
Magnesium	ppm	112	 	
Zinc	ppm	1129	 	
Phosphorus	ppm	983	 	
Barium	ppm	0	 	
Boron	ppm	31	 	

VOLVO PENTA

Walstrom Marine 501 Bay Street HARBOR SPRINGS, MI US 49740 Contact: MARK LEWIS mlewis@walstrom.com

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 acceptable for the time in service.

 Depot:
 VP154879

 Unique No:
 10204251

 Signed:
 Angela Borella

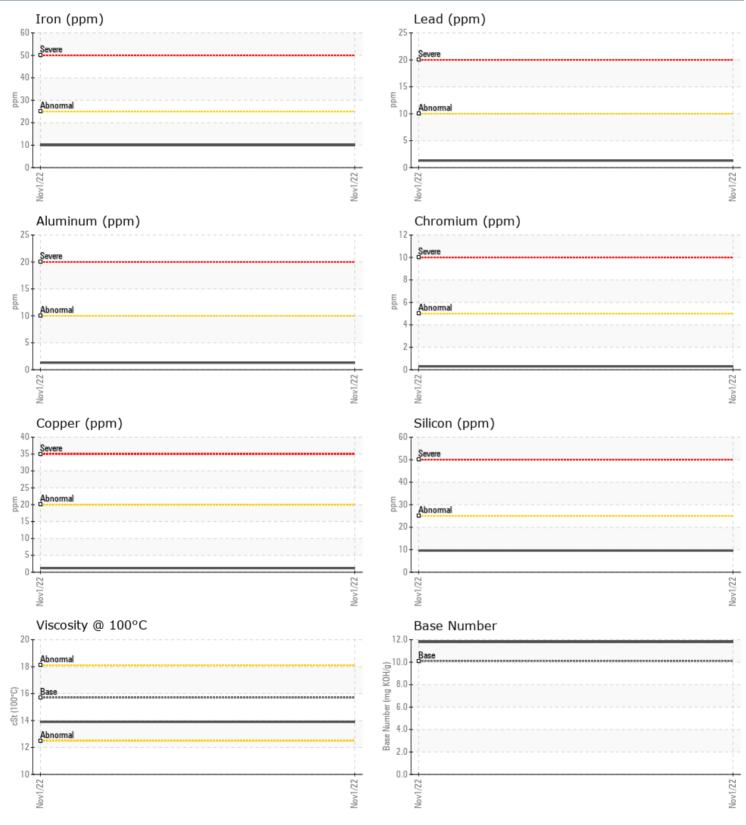
 Report Date:
 07 Nov 2022

Contact/Location: MARK LEWIS - VP154879

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GRAPHS



Report Id: VP154879 [WUSCAR] 05684679 (Generated: 08/03/2023 09:20:56) Rev: 1

Contact/Location: MARK LEWIS - VP154879