OIL ANALYSIS REPORT

KISMET ANDREW VOLVO PENTA 7011479083 - PORT DIESEL ENGINE

Sample No: VPA036999

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA036999	VPA046334	
Sample Date		30 Oct 2023	01 Mar 2023	
Machine Hours		223	193	
Oil Hours		0	100	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	ABNORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	13.1	▲ 10.4	
Base Number (BN)	mg KOH/g	10.1	8.3	
Oxidation (PA)	%	53	54	
CONTAMINATION				
CONTAMINATION Soot %	%	0.1	0.3	
	%	0.1 37	0.3 53	
Soot %				
Soot % Nitration (PA)	%	37	53	
Soot % Nitration (PA) Sulfation (PA)	% %	37 50	53 50	
Soot % Nitration (PA) Sulfation (PA) Glycol	% %	37 50 NEG	53 50 NEG	
Soot % Nitration (PA) Sulfation (PA) Glycol Fuel	% % %	37 50 NEG	53 50 NEG ▲ 4.3	
Soot % Nitration (PA) Sulfation (PA) Glycol Fuel Silicon	% % % % ppm	37 50 NEG 1.0 5	53 50 NEG ▲ 4.3 □47	

WEAR METALS Iron 2 21 ppm **4 A** 86 Copper ppm **||** <1 2 Lead ppm Tin ■ <1 3 ppm Aluminum 3 2 ppm 2 Chromium ppm 0 Molybdenum 57 7 ppm 0 Nickel ■ <1 ppm Titanium 0 🔲 0 ppm Silver ppm **||** <1 < 1 Manganese 0 🔲 2 ppm Vanadium 0 0 ppm

ht			111	UI.	EC.
	Ц.	Ш		11	

Calcium	ppm	966	2489	
Magnesium	ppm	865	14	
Zinc	ppm	1122	1095	
Phosphorus	ppm	984	937	
Barium	ppm	4	0	
Boron	ppm	2	45	

GRAND BANKS

450 SW SALEM RD STUART, FL US 34994 Contact: ROBERT ANTONA roberta@gbmarinegroup.com T: (609)384-5290 F:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. 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.

 Depot:
 VP531377

 Unique No:
 10723244

 Signed:
 Jonathan Hester

 Report Date:
 03 Nov 2023

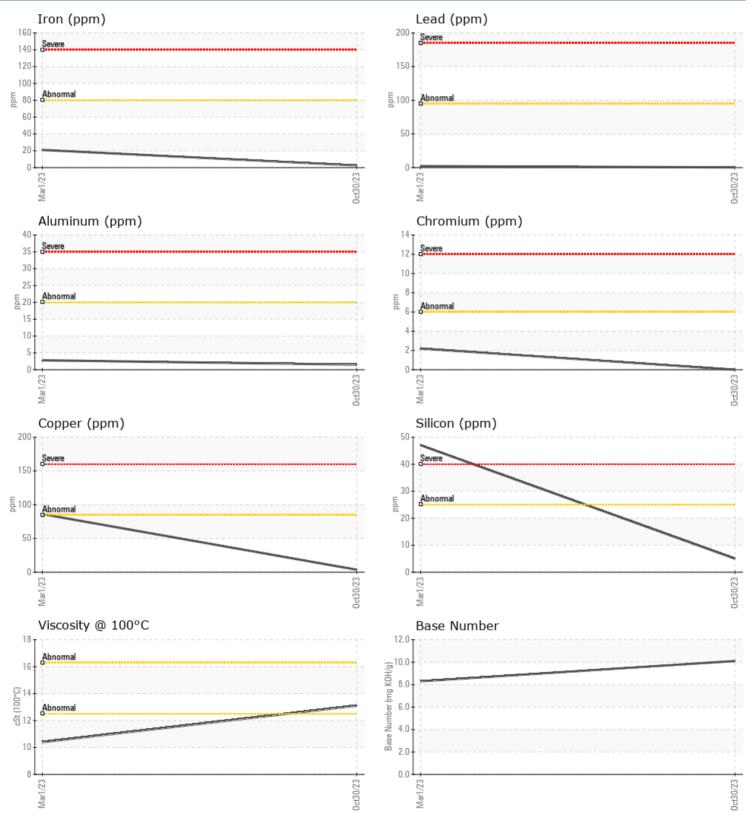
Contact/Location: ROBERT ANTONA - VP531377



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP531377 [WUSCAR] 05994884 (Generated: 11/03/2023 11:48:56) Rev: 1

Contact/Location: ROBERT ANTONA - VP531377