OIL ANALYSIS REPORT

NELSON JB VOLVO PENTA A 1087624 - PORT DIESEL ENGINE

Sample No: VPA036979

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Sample Number		VPA036979	VPA044081	
Sample Date		30 Oct 2023	06 Nov 2022	
Machine Hours		184	155	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	13.6	14.2	
Base Number (BN)	mg KOH/g	9.4	8.3	
Oxidation (PA)	%	52	59	
CONTAMINATION				
Soot %	%	0.1	0.1	
Nitration (PA)	%	43	64	
Sulfation (PA)	%	49	51	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	12	29	
Sodium	ppm	0	4	
Potassium	ppm	2	3	
WEAR METALS				
Iron	ppm	1 3	14	
Copper	ppm	4	8	
Lead	ppm	2	3	
Tin	ppm		1	
Aluminum	ppm	6	19	
Chromium	ppm	 <1	2	
Molybdenum	ppm	64	78	
Nickel	ppm	1	3	
Titanium	ppm	■ <1	0	
Silver	ppm	0	1	
Manganese	ppm	□ <1	□ <1	
Vanadium	ppm	0	<1	
ADDITIVES				
Calcium	ppm	1233	1995	
Magnesium	ppm	760	211	
Zinc	ppm	1180	1261	
Phosphorus	ppm	1105	1024	
Barium	ppm	□ 5 □ 13	□ 0 □ 60	
Boron	ppm			

Point Judith Marina

360 Gooseberry Road WAKEFIELD, RI US 02879 Contact: MATT ST. ANGELO service@pjmarina.com;canastasio@wearcheckusa.com T: (401)789-7189 F: (401)783-5350

VOLVO PENTA

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 suitable for further service.

 Depot:
 VP153811

 Unique No:
 10728550

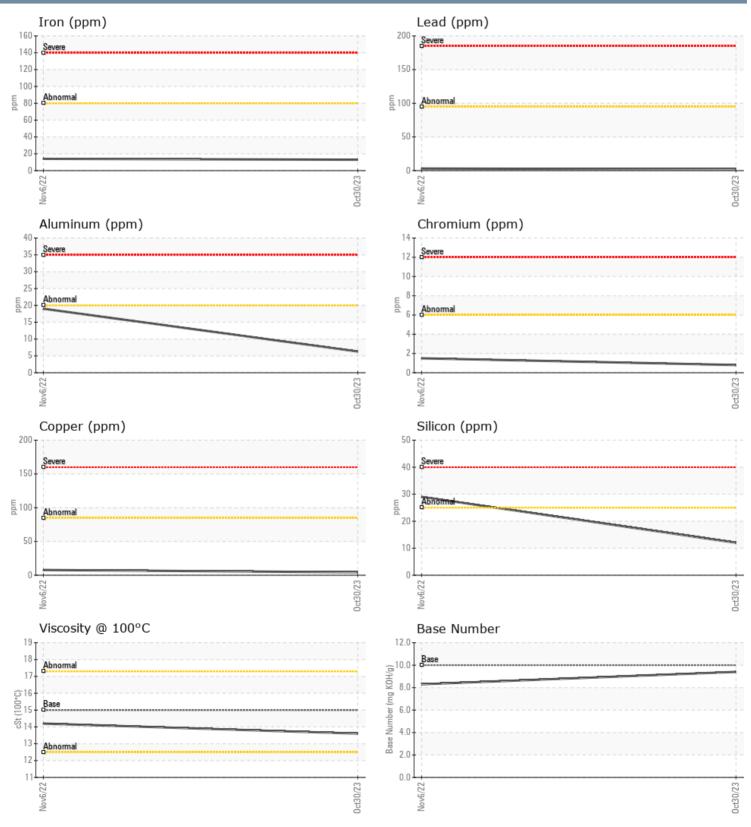
 Signed:
 Sean Felton

 Report Date:
 08 Nov 2023

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP153811 [WUSCAR] 06000190 (Generated: 11/13/2023 01:25:28) Rev: 1

Contact/Location: MATT ST. ANGELO - VP153811