OIL ANALYSIS REPORT

JMADRA VOLVO PENTA A364866 - CENTER DIESEL ENGINE

Sample No: VPA036927

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMAT				
Sample Number		VPA036927	VPA031169	
Sample Date		15 Nov 2023	24 Sep 2021	
Machine Hours		1426	0	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	13.4	13.6	
Base Number (BN)	mg KOH/g	10.3		
Oxidation (PA)	%	56	57	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	0.1	0.3	
Nitration (PA)	%	44	51	
Sulfation (PA)	%	52	54	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	6	4	
Sodium	ppm	0	1	
Potassium	ppm	2	 <1	
WEAR METALS				
Iron	ppm	7	9	
Copper	ppm	4	7	
Lead	ppm	1 4	17	
Tin	ppm	 <1	 <1	
Aluminum	ppm	2	3	
Chromium	ppm	 <1	<1	
Molybdenum	ppm	63	56	
Nickel	ppm	 <1	1	
Titanium	ppm	 <1	0	
Silver	ppm	0	<1	
Manganese	ppm	 <1	 < 1	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	ppm	1055	982	
Magnesium	ppm	911	907	
Zinc	ppm	1225	1098	
Phosphorus	ppm	1080	981	
Barium	ppm	9	0	
Boron	ppm	0	3	

FULL KEEL MARINE SERVICES

314 LEGION AVE ANNAPOLIS, MD US 21401 Contact: Service Manager FULLKEELMARINESERIVES@GMAIL.COM T: (410)507-3542 F:

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.

Contact/Location: Service Manager - VP1298996

VP1298996

10752366

Don Baldridge

22 Nov 2023

Depot:

Signed:

Unique No:

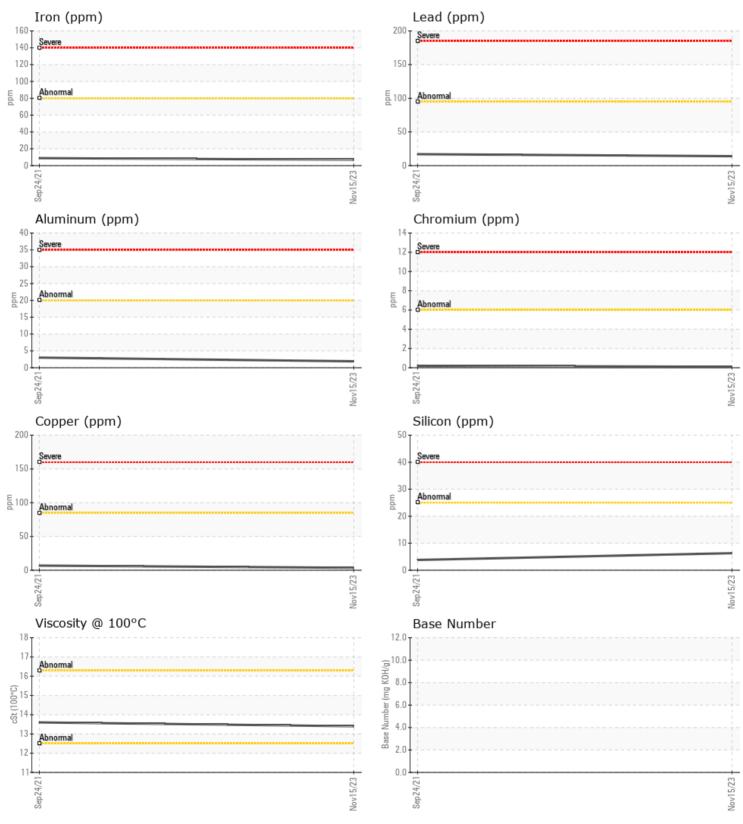
Report Date:



OIL ANALYSIS REPORT



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Report Id: VP1298996 [WUSCAR] 06013222 (Generated: 11/22/2023 17:54:34) Rev: 1

Contact/Location: Service Manager - VP1298996