OIL ANALYSIS REPORT

MOES MARINE SERVICE 1735 VOLVO PENTA A1161156 - STARBOARD DIESEL ENGINE

Sample No: VPA060385

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA060385	 	
Sample Date		13 Nov 2023	 	
Machine Hours		242	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.4	 	
Base Number (BN)	mg KOH/g	9.1	 	
Oxidation (PA)	%	65	 	
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	45	 	
Sulfation (PA)	%	55	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	0	 	
Potassium	ppm	6	 	

WEAR METALS

Iron	ppm	3	 	
Copper	ppm	■<1	 	
Lead	ppm	0	 	
Tin	ppm		 	
Aluminum	ppm	1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	1 0	 	
Nickel	ppm	■<1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	1973	 	
Magnesium	ppm	166	 	
Zinc	ppm	1243	 	
Phosphorus	ppm	1013	 	
Barium	ppm	0	 	
Boron	ppm	168	 	

SMART DIESEL SERVICE

102 NW 133RD AVE, UNIT 103 PLANTATION, FL US 33325 Contact: ANDRES GARMENDIA smartdieselservice@gmail.com T: (954)258-8100 F:

Diagnosis

No corrective action is recommended at this time. 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:
 VPSMAPLA

 Unique No:
 10740603

 Signed:
 Doug Bogart

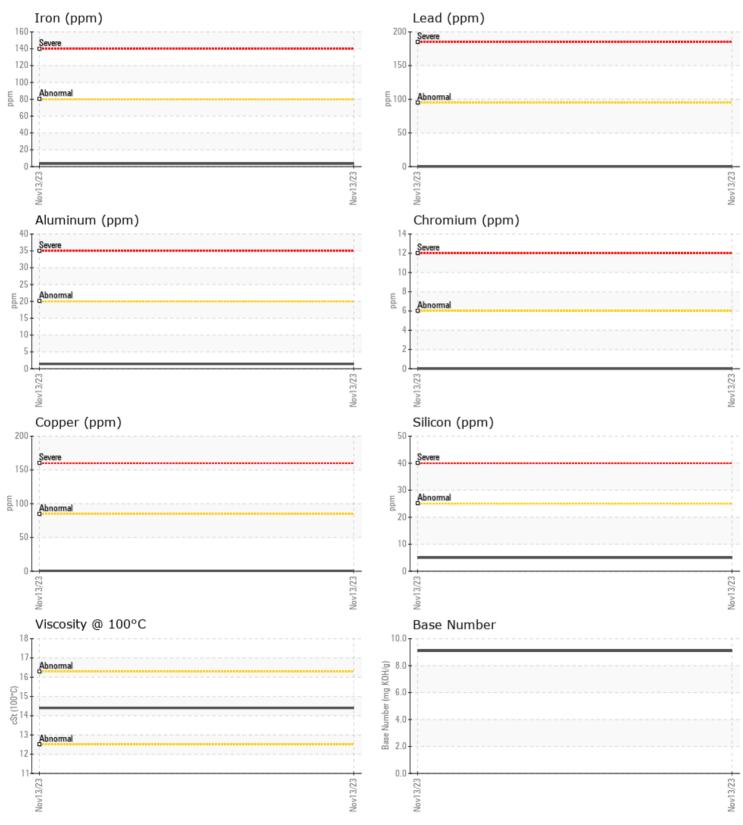
 Report Date:
 15 Nov 2023



OIL ANALYSIS REPORT



GRAPHS



Report Id: VPSMAPLA [WUSCAR] 06006841 (Generated: 11/15/2023 08:59:28) Rev: 1

Contact/Location: ANDRES GARMENDIA - VPSMAPLA