OIL ANALYSIS REPORT

LEE HOWLEY 3754 VOLVO PENTA A1092315 - CENTER DIESEL ENGINE

Sample No: VPA055380

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA055380	 	
Sample Date		01 Nov 2023	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.1	 	
Base Number (BN)	mg KOH/g	7.3	 	
Oxidation (PA)	%	53	 	
CONTAMINATION				
CONTAMINATION				
Soot %	%	0.4	 	
Nitration (PA)	%	64	 	
Sulfation (PA)	%	50	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	6	 	
Sodium	ppm	1	 	
Potassium	ppm	 <1	 	

WEAR METALS

Iron	ppm	20	 	
Copper	ppm	6	 	
Lead	ppm	□<1	 	
Tin	ppm	□<1	 	
Aluminum	ppm	3	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	80	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	<1	 	

ADDITIVES

Calcium	ppm	2157	 	
Magnesium	ppm	131	 	
Zinc	ppm	1330	 	
Phosphorus	ppm	1074	 	
Barium	ppm	0	 	
Boron	ppm	66	 	

WESTERN BRANCH DIESEL

6881 BULLDOG DR N CHARLESTON, SC US 29406 Contact: MICHAEL JORDAN mdjordan@wbdiesel.com T: 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.

 Depot:
 VP1165983

 Unique No:
 10727198

 Signed:
 Don Baldridge

 Report Date:
 07 Nov 2023

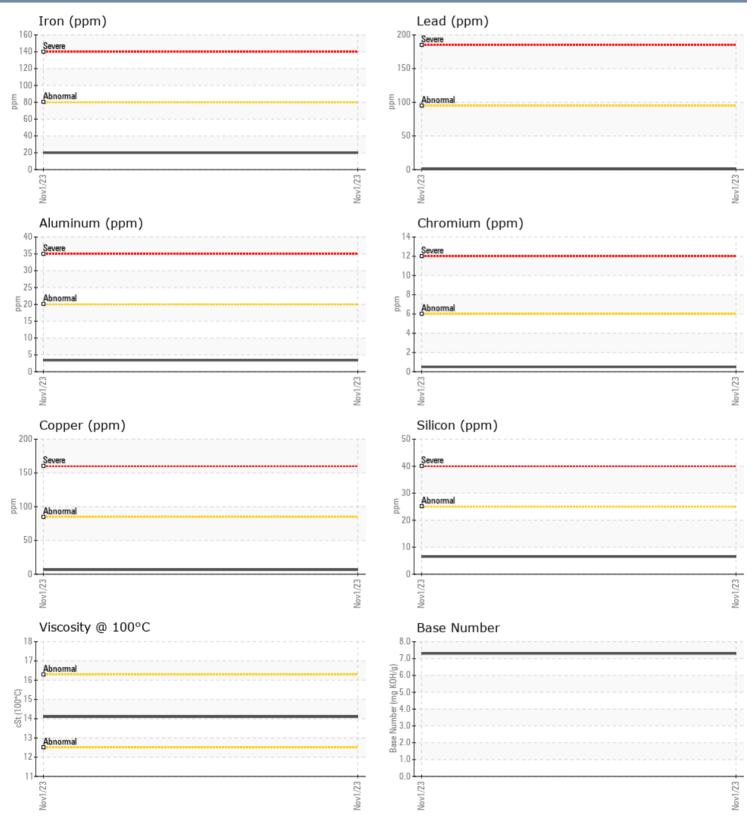
Contact/Location: MICHAEL JORDAN - VP1165983



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP1165983 [WUSCAR] 05998838 (Generated: 11/07/2023 15:05:32) Rev: 1

Contact/Location: MICHAEL JORDAN - VP1165983