OIL ANALYSIS REPORT

SAL GARCIA/VINTY VENTURES EMAD 39299 VOLVO PENTA 7011353278 - STARBOARD DIESEL ENGINE

Sample No: VPA044349

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

Sample Number		VPA044349	 	
Sample Date		07 Nov 2023	 	
Machine Hours		800	 	
Oil Hours		75	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.0	 	
Base Number (BN)	mg KOH/g	9.9	 	
Oxidation (PA)	%	55	 	
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	45	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	□ <1	 	
Potassium	ppm	<1	 	
WEAR METALS				
Iron	ppm	2	 	
Copper	ppm	26	 	
Lead	ppm	□ <1	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	■ <1	 	
Chromium	ppm	□ <1	 	
Molybdenum	ppm	58	 	
Nickel	ppm	□ <1	 	
Titanium	ppm	■ <1	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	1107	 	
Magnesium	ppm	981	 	
Magnesium	ppm	1351	 	
Zinc				
Zinc		1060	 	
-	ppm ppm	■ 1060 ■ 0	 	

LIBERTY LANDING MARINE

VOLVO PENTA

30 AUDREY ZAPP DR IERSEY CITY, NJ JS 07305 Contact: JOHN PURINTON purinton@suntex.com I: (201)985-8000 --

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:
 VP454834

 Unique No:
 10741853

 Signed:
 Sean Felton

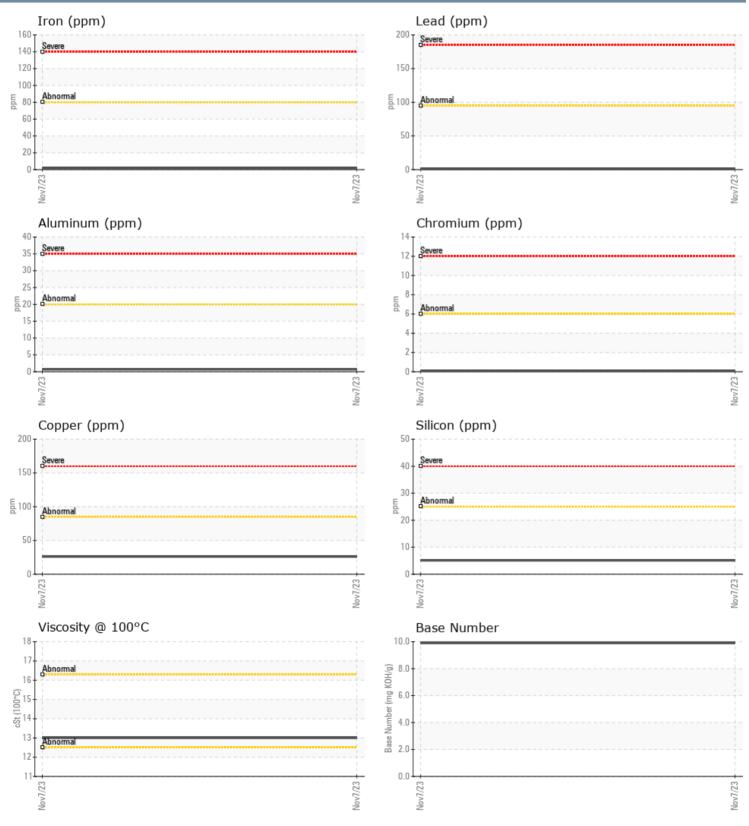
 Report Date:
 16 Nov 2023

Contact/Location: JOHN PURINTON - VP454834

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP454834 [WUSCAR] 06008091 (Generated: 11/16/2023 15:56:45) Rev: 1

Contact/Location: JOHN PURINTON - VP454834