OIL ANALYSIS REPORT

ERIC LANGER 44826 VOLVO PENTA 1101060632 - STARBOARD DIESEL ENGINE

Sample No: VPA044705

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number		VPA044705	 	
Sample Date		17 Oct 2023	 	
Machine Hours		1553	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.22	 	
Oxidation (PA)	%	66	 	
CONTAMINATION				
Soot %	%	0.2	 	
Nitration (PA)	%	58	 	
Sulfation (PA)	%	56	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	4	 	
Sodium	ppm		 	
Potassium	ppm	8	 	
WEAR METALS				
Iron	ppm	5	 	
Copper	ppm	2	 	
Lead	ppm	 <1	 	
Tin	ppm	 <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	1 1	 	
Nickel	ppm		 	
Titanium	ppm	■ <1	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	2035	 	
Magnesium	ppm	128	 	
Zinc	ppm	1211	 	
Phosphorus	ppm	1072	 	
Barium	ppm	0	 	
Boron	ppm	172	 	

VOLVO PENTA

SPRING BROOK MARINA INC 623 N 2553RD RD SENECA, IL US 61360-0379 Contact: TIM MARGIS tim@springbrookmarina.com T:

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 condition of the oil is acceptable for the time in service.

 Depot:
 VP154312

 Unique No:
 10709750

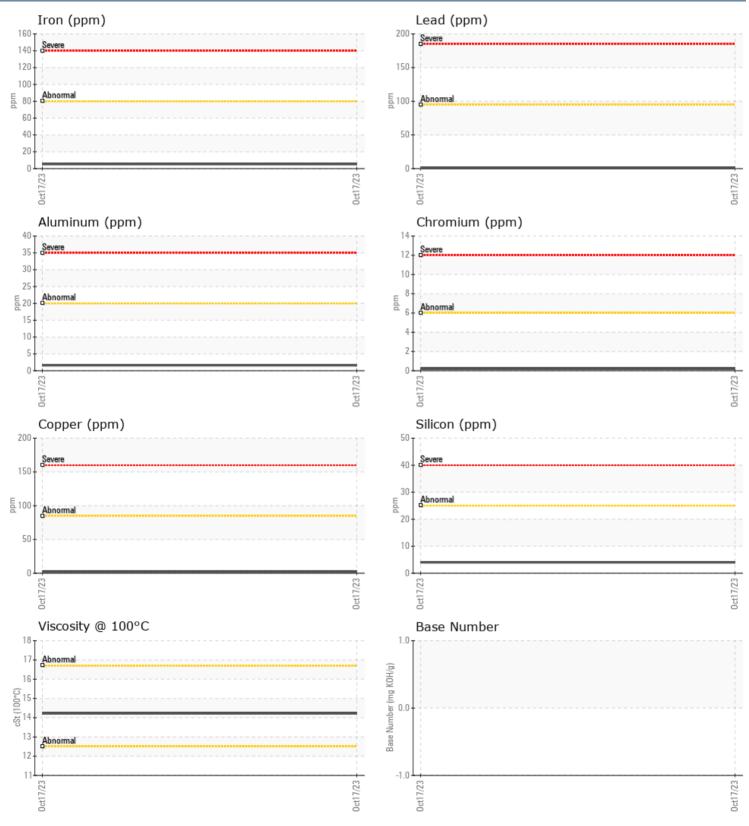
 Signed:
 Doug Bogart

 Report Date:
 23 Oct 2023

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP154312 [WUSCAR] 05987088 (Generated: 10/23/2023 16:46:47) Rev: 1

Contact/Location: TIM MARGIS - VP154312