## **OIL ANALYSIS REPORT**

### 19624 2006035406 - STARBOARD MAIN ENGINE

Sample No: VPA056513

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

Sample Number		VPA056513	 	
Sample Date		04 Mar 2024	 	
Machine Hours		19	 	
Oil Hours		100	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.4	 	
Oxidation (PA)	%	82	 	
CONTAMINATION				
		NEC		
Water	%	NEG	 	
Soot %	%	<b>0</b> 53	 	
Nitration (PA) Sulfation (PA)	%	62	 	
	%	NEG	 	
Glycol Fuel	%	<1.0	 	
Silicon		<b>■</b> 4	 	
Sodium	ppm	2	 	
Potassium	ppm ppm	<b>□</b> < 1	 	
WEAR METALS				
Iron	ppm	8	 	
Copper	ppm	3	 	
Lead	ppm	∎1	 	
Tin	ppm	0	 	
Aluminum	ppm	5	 	
Chromium	ppm	<b>  </b> <1	 	
Molybdenum	ppm	<b>41</b>	 	
Nickel	ppm		 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1565	 	
Magnesium	ppm	540	 	
Zinc	ppm	885	 	
Phosphorus	ppm	777	 	
Barium	ppm	0	 	
Boron	ppm	50	 	

VOLVO PENTA

**Sea Power Ltd** 2077 Amelia Ave

IDNEY, BC CA V8L 3Z8 Contact: Kayla Sousa ervice@seapower.ca : (250)656-4341

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

 Depot:
 VP154139

 Unique No:
 5737177

 Signed:
 Kevin Marson

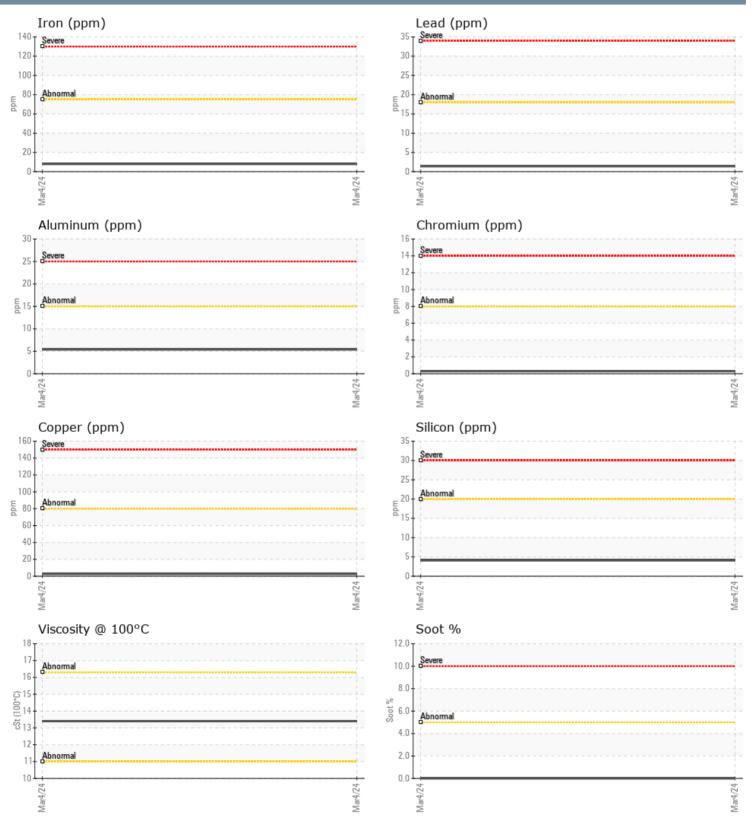
 Report Date:
 06 Mar 2024

Contact/Location: Kayla Sousa - VP154139

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP154139 [WCAMIS] 02620067 (Generated: 03/11/2024 10:36:53) Rev: 1

Contact/Location: Kayla Sousa - VP154139