## **OIL ANALYSIS REPORT**

#### VOLVO PENTA 7008539225 - PORT DIESEL ENGINE THOMAS GILLINGHAM SAM

Sample No: VPA059071

**Oil Type: VOLVO PENTA SAE 15W40** 

### SAMPLE INFORMATION

SAMPLE INFORMA	IION			
Sample Number		VPA059071	 	
Sample Date		10 Jan 2024	 	
Machine Hours		352	 	
Oil Hours		192	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	<b>15.1</b>	 	
Base Number (BN)	mg KOH/g	8.6	 	
Oxidation (PA)	%	72	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	2	 	
Nitration (PA)	%	84	 	
Sulfation (PA)	%	73	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<b>1</b> 6	 	
Sodium	ppm	2	 	
Potassium	ppm	3	 	
WEAR METALS				
Iron	ppm	33	 	
Copper	ppm	90	 	
Lead	ppm	■<1	 	
Tin	ppm	<b>  </b> <1	 	
Aluminum	ppm	5	 	
Chromium	ppm	2	 	
Molybdenum	ppm	<b>113</b>	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm		 	
Manganese	ppm	<b>1</b>	 	
Vanadium	ppm	0	 	
ADDITIVES				
		- 161-		
Calcium	ppm	<b>□</b> 1617	 	
Magnesium	ppm	744	 	
Zinc	ppm	951	 	
Phosphorus	ppm	795	 	
Barium	ppm	0	 	
Boron	ppm	195	 	

Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com T: (206)784-3703 F: (206)784-8823

### 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 suitable for further service.

Contact/Location: WILLOW YANARELLA - VP794951

Signed:

Report Date:

VP794951

10836345

Angela Borella

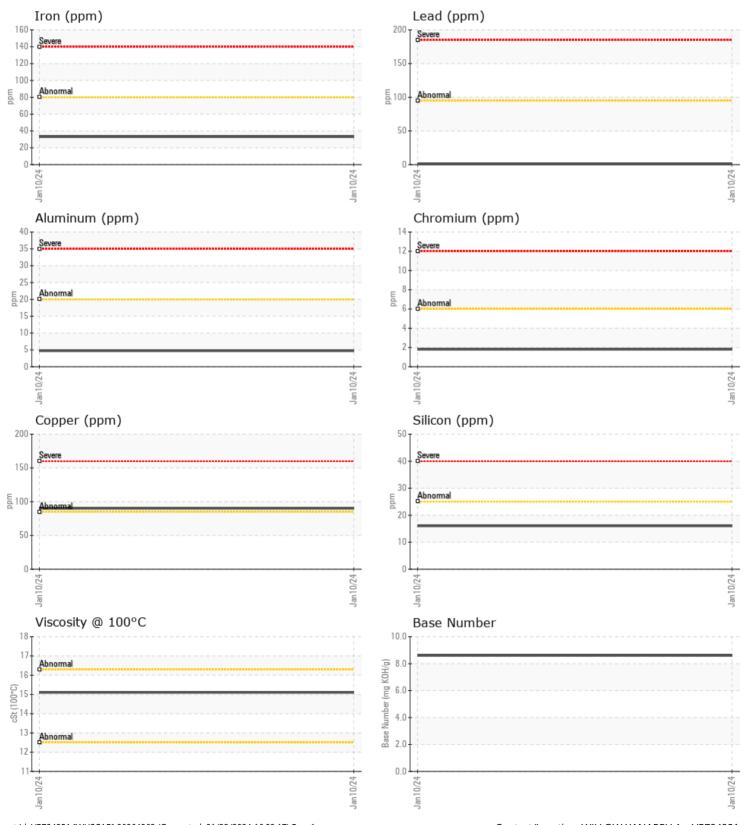
22 Jan 2024



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP794951 [WUSCAR] 06064963 (Generated: 01/22/2024 16:03:17) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951