# **OIL ANALYSIS REPORT**

## JOHN UZNIS 505197 VOLVO PENTA A691273 - STARBOARD DIESEL ENGINE

Sample No: VPA048800

Oil Type: VOLVO PENTA SAE 15W40

### SAMPLE INFORMATION

Sample Number		VPA048800	 	
Sample Date		26 Jul 2023	 	
Machine Hours		397	 	
Oil Hours		65	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.7	 	
Base Number (BN)	mg KOH/g	9.6	 	
Oxidation (PA)	%	57	 	
CONTAMINATION				
Soot %	%	0.5	 	
Nitration (PA)	%	52	 	
Sulfation (PA)	%	54	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	7	 	
Sodium	ppm	2	 	
Potassium	ppm	2	 	

## WEAR METALS

Iron	ppm	18	 	
Copper	ppm	5	 	
Lead	ppm	<b>1</b>	 	
Tin	ppm	<b></b> <1	 	
Aluminum	ppm	<b>1</b>	 	
Chromium	ppm	<b></b> <1	 	
Molybdenum	ppm	51	 	
Nickel	ppm	<b>1</b>	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	<1	 	

#### ADDITIVES

Calcium	ppm	1323	 	
Magnesium	ppm	862	 	
Zinc	ppm	<b>1283</b>	 	
Phosphorus	ppm	<b>1017</b>	 	
Barium	ppm	0	 	
Boron	ppm	27	 	

#### Jefferson Beach Yacht Sales Inc

24400 Jefferson Ave. SAINT CLAIR SHORES, MI US 48080 Contact: DENNIS BUTT dbutt@jbys.com T: (866)490-5297 F:

### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VP297371

 Unique No:
 10577334

 Signed:
 Doug Bogart

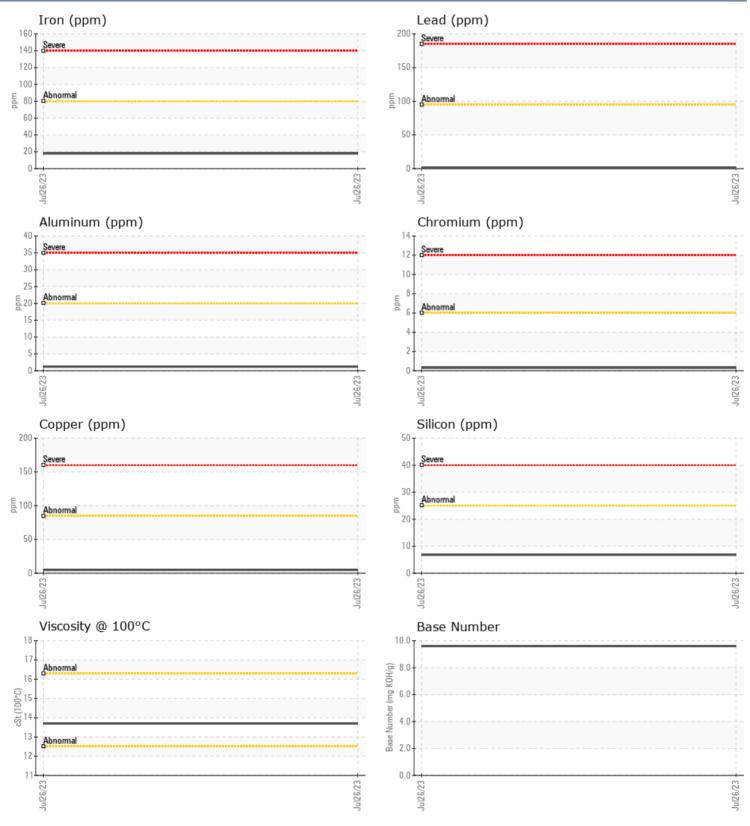
 Report Date:
 31 Jul 2023

Contact/Location: DENNIS BUTT - VP297371

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#### GRAPHS



Report Id: VP297371 [WUSCAR] 05910682 (Generated: 07/31/2023 22:32:18) Rev: 1

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