## **OIL ANALYSIS REPORT**

### VOLVO PENTA A 1059894 - PORT DIESEL ENGINE

Sample No: VPA050525

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Sample Number		VPA050525	 	
Sample Date		13 Nov 2023	 	
Machine Hours		440	 	
Oil Hours		200	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	∎13.1	 	
Base Number (BN)	mg KOH/g	9.8	 	
Oxidation (PA)	%	57	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	<b>0.1</b>	 	
Nitration (PA)	%	48	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	4	 	
Sodium	ppm	0	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	9	 	
Copper	ppm	8	 	
Lead	ppm	<b>  </b> <1	 	
Tin	ppm	0	 	
Aluminum	ppm	<b>1</b>	 	
Chromium	ppm	<b>1</b>	 	
Molybdenum	ppm	62	 	
Nickel	ppm	<b>4</b>	 	
Titanium	ppm	<b>■</b> <1	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	<b>1101</b>	 	
Magnesium	ppm	949	 	
Zinc	ppm	1208	 	
Phosphorus	ppm	<b>1008</b>	 	
Barium	ppm	0	 	
Boron	ppm	□<1	 	



Aqua Yacht Harbor Marina 3832 Hwy. 25 North, 3832 Hwy. 25 North IUKA, MS US 38852 Contact: DENNIS KANIZAI dkanizai@shmarinas.com T:

#### 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.

 Depot:
 VP299833

 Unique No:
 10751235

 Signed:
 Sean Felton

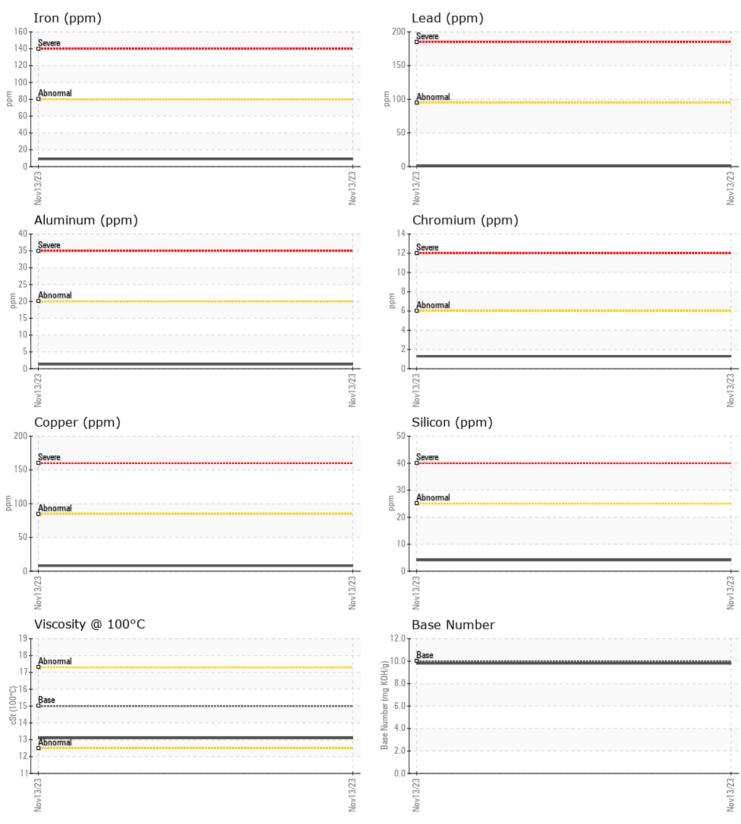
 Report Date:
 21 Nov 2023

Contact/Location: DENNIS KANIZAI - VP299833

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP299833 [WUSCAR] 06012091 (Generated: 11/21/2023 15:08:18) Rev: 1

Contact/Location: DENNIS KANIZAI - VP299833