# **OIL ANALYSIS REPORT**

## 70112037681 - PORT DIESEL ENGINE

Sample No:	VPA056369		
Oil Type:	VOLVO		

#### SAMPLE INFORMATION VPA056369 Sample Number Sample Date 27 Nov 2023 Machine Hours 135 **Oil Hours** 0 Oil Changed Not Changd ATTENTION Sample Status **OIL CONDITION** Visc @ 100°C 10.6 cSt Base Number (BN) mg KOH/g 7.4 Oxidation (PA) % 60 CONTAMINATION Water % NEG % Soot % 0.2 Nitration (PA) % 68 Sulfation (PA) % 52 Glycol % NEG Fuel % <1.0 Silicon **4**5 ppm Sodium 5 ppm Potassium 3 ppm WEAR METALS Iron 11 ppm 136 Copper ppm Lead ppm 5 Tin nnm - 2

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Aluminum	ppm	2	 	
Chromium	ppm	<b>1</b>	 	
Molybdenum	ppm	73	 	
Nickel	ppm	<b>□</b> <1	 	
Titanium	ppm	<b>  </b> <1	 	
Silver	ppm	■ <1	 	
Manganese	ppm	2	 	
Vanadium	ppm	<1	 	

ADDITIVES				
Calcium	ppm	1992	 	
Magnesium	ppm	97	 	
Zinc	ppm	<b>1065</b>	 	
Phosphorus	ppm	954	 	
Barium	ppm	0	 	
Boron	ppm	57	 	



#### ADVANCED YACHT SUPPORT

30197 MATTHEWSTOWN RD EASTON, MD US 21601 Contact: CHUCK EMMONS chuck@advancedyachtsupport.net T: E:

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). Metal levels are typical for a new component breaking in. Elemental level of silicon (Si) above normal indicating ingress of seal (break-in) material. The BN result indicates that there is suitable alkalinity remaining in the oil. Assuming 30W break-in oil, the condition of the oil is acceptable for the time in service.

 Depot:
 VPADVEAS

 Unique No:
 10764022

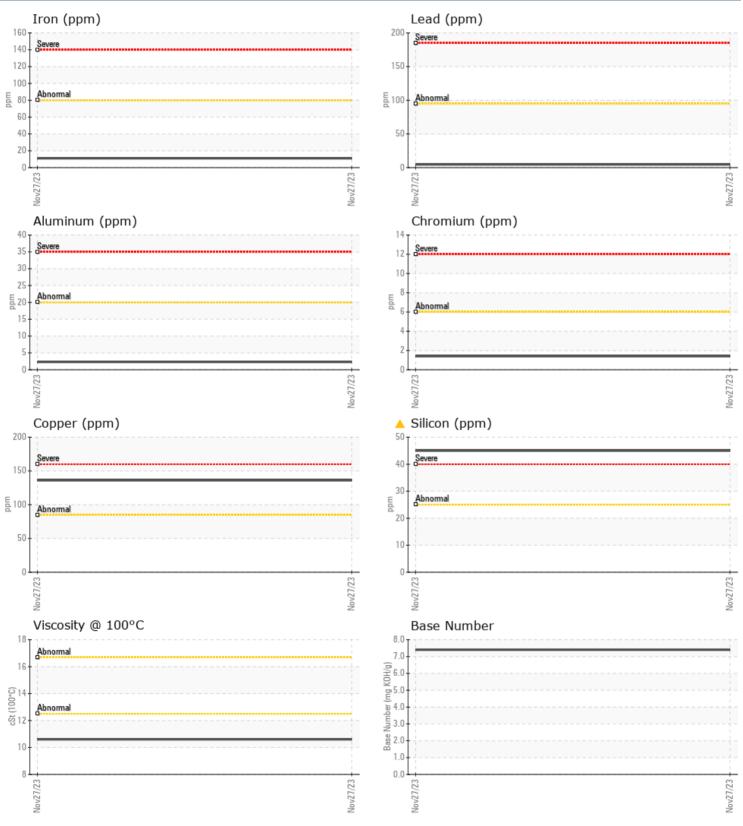
 Signed:
 Doug Bogart

 Report Date:
 29 Nov 2023

# **OIL ANALYSIS REPORT**



### GRAPHS



Report Id: VPADVEAS [WUSCAR] 06019522 (Generated: 11/29/2023 16:48:46) Rev: 1

Contact/Location: CHUCK EMMONS - VPADVEAS