## **OIL ANALYSIS REPORT**

## PARDO 38 SEA BUILDER VOLVO PENTA A 110134 - PORT DIESEL ENGINE

Sample No: VPA049910

Oil Type: VOLVO

### SAMPLE INFORMATION

Sample Number		VPA049910	 	
Sample Date		18 Oct 2023	 	
Machine Hours		331	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	12.8	 	
Base Number (BN)	mg KOH/g	8.5	 	
. ,		_		
Oxidation (PA)	%	81	 	
CONTAMINATION				
CONTAMINATION				
Soot %	%	0.4	 	
Nitration (PA)	%	69	 	
Sulfation (PA)	%	61	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	38	 	
Sodium	ppm	7	 	
Potassium	ppm	6	 	

#### WEAR METALS

Iron	ppm	71	 	
Copper	ppm	33	 	
Lead	ppm	<b>12</b>	 	
Tin	ppm	<b>4</b>	 	
Aluminum	ppm	44	 	
Chromium	ppm	6	 	
Molybdenum	ppm	<b>41</b>	 	
Nickel	ppm	<u> </u>	 	
Titanium	ppm	□ <1	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	<1	 	

#### ADDITIVES

Calcium	ppm	1563	 	
Magnesium	ppm	533	 	
Zinc	ppm	🔲 1154	 	
Phosphorus	ppm	930	 	
Barium	ppm	■ <1	 	
Boron	ppm	30	 	

#### Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G DAVIE, FL US 33314 Contact: JEF BURKE midijef@gmail.com;canastasio@wearcheckusa.com T: F:

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The nickel level is abnormal. All other metal levels are typical for a new component breaking in. 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:
 VP694356

 Unique No:
 10709770

 Signed:
 Jonathan Hester

 Report Date:
 25 Oct 2023

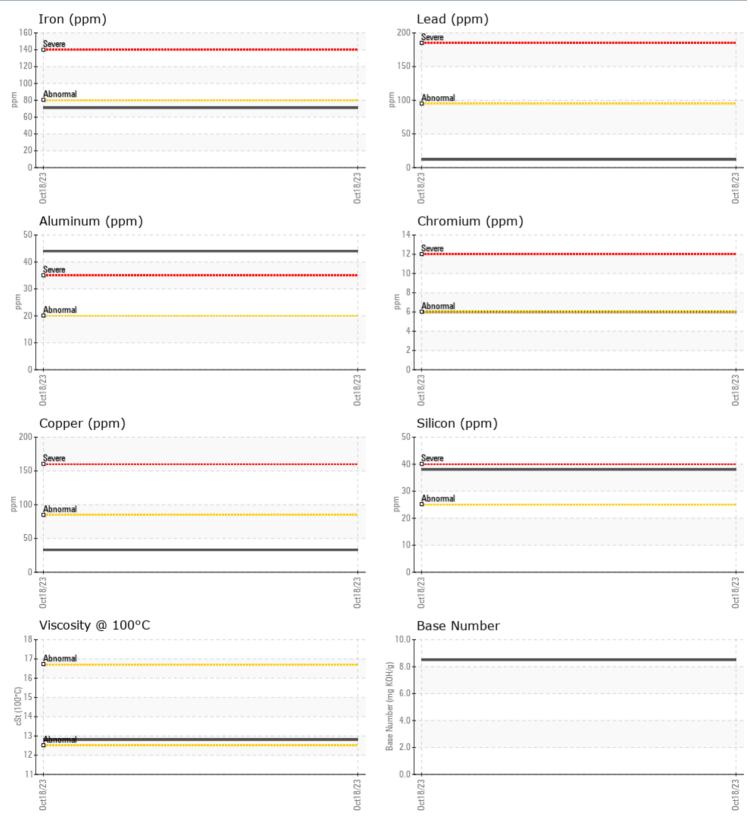
Contact/Location: JEF BURKE - VP694356



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP694356 [WUSCAR] 05987108 (Generated: 10/25/2023 19:21:58) Rev: 1

Contact/Location: JEF BURKE - VP694356