## **OIL ANALYSIS REPORT**

## THRUSURR HUAT VOLVO PENTA 2013869837 - PORT DIESEL ENGINE

Sample No: VPA045481

Oil Type: DIESEL ENGINE OIL SAE 40

#### SAMPLE INFORMATION

Sample Number		VPA045481	 	
Sample Date		21 Jul 2023	 	
Machine Hours		848	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	12.9	 	
Base Number (BN)	mg KOH/g	9.3	 	
Oxidation (PA)	%	58	 	
CONTAMINATION				
Soot %	%	0.4	 	
Nitration (PA)	%	59	 	
Sulfation (PA)	%	55	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<b>4</b>	 	
Sodium	ppm	2	 	
Potassium	ppm	2	 	

#### WEAR METALS

Iron	ppm	5	 	
Copper	ppm	■<1	 	
Lead	ppm	□ <1	 	
Tin	ppm	■<1	 	
Aluminum	ppm	□ <1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	63	 	
Nickel	ppm	0	 	
Titanium	ppm	□ <1	 	
Silver	ppm	0	 	
Manganese	ppm	□ <1	 	
Vanadium	ppm	<1	 	

#### ADDITIVES

Calcium	ppm	1163	 	
Magnesium	ppm	1058	 	
Zinc	ppm	<b>1344</b>	 	
Phosphorus	ppm	<b>1068</b>	 	
Barium	ppm	0	 	
Boron	ppm	0	 	

#### Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G DAVIE, FL US 33314 Contact: ASHANTI BURKE aburke@midiflorida.com T: (954)761-1086 F: (954)761-1186

### 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:
 VP694356

 Unique No:
 10576306

 Signed:
 Doug Bogart

 Report Date:
 30 Jul 2023

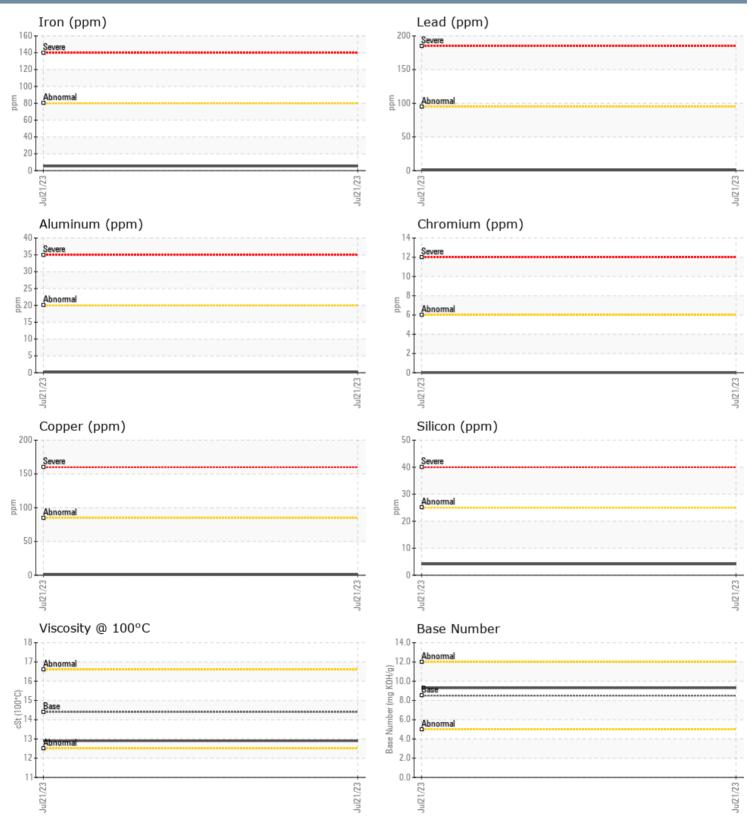
Contact/Location: ASHANTI BURKE - VP694356



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP694356 [WUSCAR] 05909654 (Generated: 07/30/2023 21:27:18) Rev: 1

Contact/Location: ASHANTI BURKE - VP694356