## **OIL ANALYSIS REPORT**

### NOTORIOUS VOLVO PENTA NOTORIOUS (S/N NOT GIVEN) - STARBOARD DIESEL ENGINE

Sample No: VPA049893

Oil Type: DIESEL ENGINE OIL SAE 15W40

#### SAMPLE INFORMATION

Sample Number		VPA049893	 	
Sample Date		02 Oct 2023	 	
Machine Hours		682	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		ATTENTION	 	
OIL CONDITION				
Visc @ 100°C	cSt	<b>14.2</b>	 	
Base Number (BN)	mg KOH/g	9.4	 	
Oxidation (PA)	%	58	 	
CONTAMINATION				
Soot %	%	<b>1.5</b>	 	
Nitration (PA)	%	71	 	
Sulfation (PA)	%	58	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	<mark>6</mark> 2	 	
Potassium	ppm	6	 	
WEAR METALS				

#### 30 Iron ppm Copper 10 ppm Lead ppm <1 Tin ■ <1 ppm Aluminum 3 ppm Chromium 1 ppm Molybdenum 61 ppm Nickel 3 ppm Titanium 0 🔲 ppm Silver ppm 0 🔲 Manganese **||** <1 ppm Vanadium 0 ppm

#### **ADDITIVES**

Calcium	ppm	1059	 	
Magnesium	ppm	<b>1039</b>	 	
Zinc	ppm	1314	 	
Phosphorus	ppm	<b>1060</b>	 	
Barium	ppm	0	 	
Boron	ppm	□<1	 	

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

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.All component wear rates are normal. The high sodium (Na) level indicates the possible presence of salt water. 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:
 10709756

 Signed:
 Jonathan Hester

 Report Date:
 25 Oct 2023

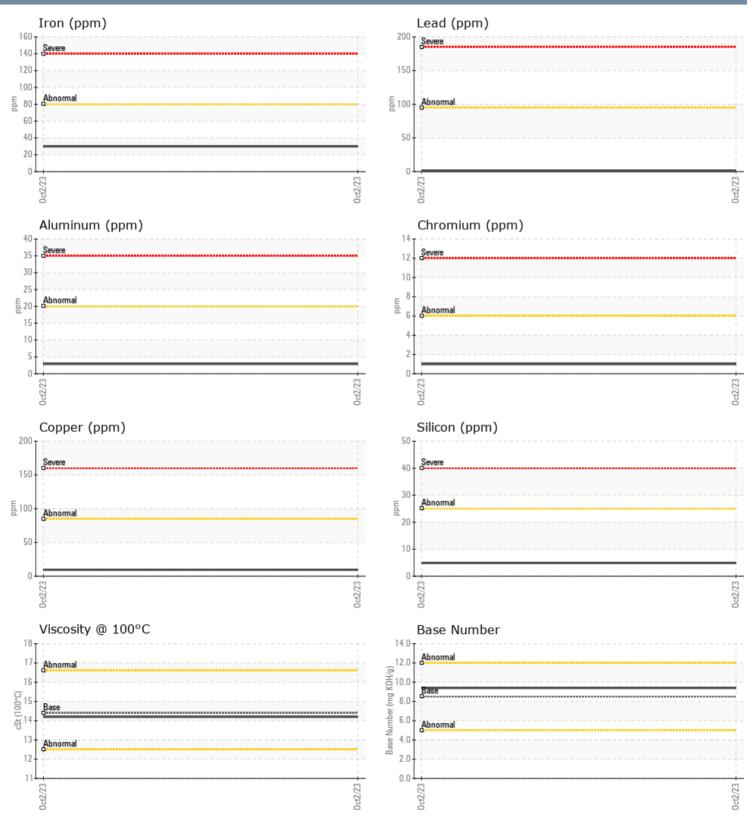
Contact/Location: ASHANTI BURKE - VP694356



# **OIL ANALYSIS REPORT**



#### GRAPHS



Contact/Location: ASHANTI BURKE - VP694356