## **OIL ANALYSIS REPORT**

### VOLVO PENTA A496584 - STARBOARD DIESEL ENGINE

Sample No:VPA046101Oil Type:NOT GIVEN

#### SAMPLE INFORMATION

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Sample Number		VPA046101			
Sample Date		05 Dec 2023			
Machine Hours		0			
Oil Hours		0			
Oil Changed		Not Changd			
Sample Status		NORMAL			
OIL CONDITION					
Visc @ 100°C	cSt	13.5			
Base Number (BN)	mg KOH/g	<b>10.5</b>			
Oxidation (PA)	%	73			
CONTAMINATION					
CONTAMINATION					
Water	%	NEG			
Soot %	%	■0.1			
Nitration (PA)	%	39			
Sulfation (PA)	%	58			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	8			
Sodium	ppm	<b>■</b> <1			
Potassium	ppm	2			
WEAR METALS					
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Iron	ppm	<b>4</b>			
Copper	ppm	<b>□</b> <1			
Lead	ppm	0			
Tin	ppm	0			
Aluminum	ppm	<b>1</b>			
Chromium	ppm	■<1			
Molybdenum	ppm	∎41			
Nickel	ppm	0			
Titanium	ppm	0			
Silver	ppm	0			
Manganese	ppm	0			
Vanadium	ppm	0			
ADDITIVES					
Calcium	ppm	<b>1447</b>			
Magnesium	ppm	<u> </u> 517			
Zinc	ppm	884			
Phosphorus	ppm	706			
Barium	ppm	2			
Boron	ppm	62			



Monmouth Marine Engines Inc 536 UNION LN BRIELLE, NJ US 08730-1421 Contact: Kenneth Mika monmouthmarine@gmail.com T: x: F: x:

#### 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 acceptable for the time in service.

 Depot:
 VP153457

 Unique No:
 10775990

 Signed:
 Don Baldridge

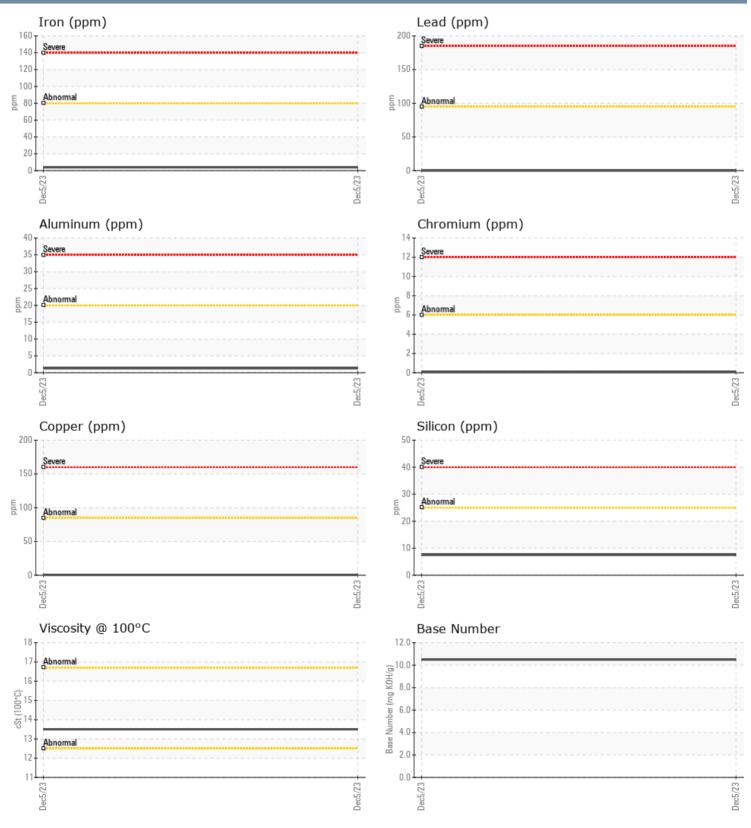
 Report Date:
 07 Dec 2023

Contact/Location: Kenneth Mika - VP153457

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#### GRAPHS



Report Id: VP153457 [WUSCAR] 06026199 (Generated: 12/07/2023 14:32:54) Rev: 1

Contact/Location: Kenneth Mika - VP153457