## **OIL ANALYSIS REPORT**

## TOM GRAVE VOLVO PENTA A 1074859 - CENTER GASOLINE ENGINE

Sample No: VPA060404

**Oil Type:** VOLVO PENTA SYNTHETIC GAS

#### SAMPLE INFORMATION

Sample Number		VPA060404					
Sample Date		14 Sep 2023					
Machine Hours		324					
Oil Hours		0					
Oil Changed		Changed					
Sample Status		NORMAL					
OIL CONDITION							
Visc @ 100°C	cSt	13.91					
Base Number (BN)	mg KOH/g	<b>7.4</b>					
Oxidation (PA)	%	11					
CONTAMINATION							
Soot %	%	0					
Nitration (PA)	%	8					
Sulfation (PA)	%	10					
Glycol	%	NEG					
Fuel	%	<1.0					
Silicon	ppm	<b>1</b> 4					
Sodium	ppm	□ <1					
Potassium	ppm	<b>□</b> <1					

### WEAR METALS

Iron	ppm	6	 	
Copper	ppm	5	 	
Lead	ppm	<b>□</b> <1	 	
Tin	ppm	■<1	 	
Aluminum	ppm	<b>1</b>	 	
Chromium	ppm	<b></b> <1	 	
Molybdenum	ppm	74	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	

#### ADDITIVES

Calcium	ppm	1578	 	
Magnesium	ppm	131	 	
Zinc	ppm	831	 	
Phosphorus	ppm	679	 	
Barium	ppm	2	 	
Boron	ppm	24	 	

#### Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com T: (206)784-3703 F: (206)784-8823

#### 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:
 VP794951

 Unique No:
 10670344

 Signed:
 Jonathan Hester

 Report Date:
 04 Oct 2023

Contact/Location: WILLOW YANARELLA - VP794951



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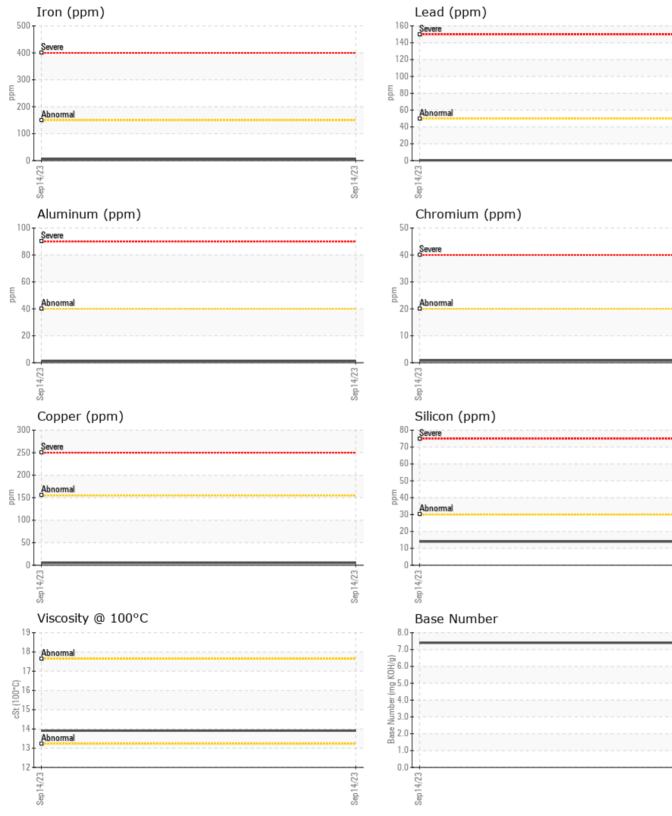
Sep 14/23

4/23

Sep 1

Sep14/23

#### GRAPHS



Report Id: VP794951 [WUSCAR] 05963793 (Generated: 10/04/2023 17:46:17) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951

Sep14/23