## **OIL ANALYSIS REPORT**

### VOLVO PENTA

### NFL01529 - CENTER DIESEL ENGINE

Sample No: VPA056406

Oil Type: DIESEL ENGINE OIL SAE 15W40

Sample Number		VPA056406	 	
Sample Date		07 Sep 2023	 	
Machine Hours		15486	 	
Oil Hours		264	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.8	 	
Base Number (BN)	mg KOH/g	7.8	 	
Oxidation (PA)	%	58	 	
Oxidation (PA)	70	30	 	
CONTAMINATION				
Soot %	%	∎1.2	 	
Nitration (PA)	%	66	 	
Sulfation (PA)	%	56	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<b>6</b>	 	
Sodium	ppm	<b>□</b> 14	 	
Potassium	ppm		 	
WEAR METALS	222	59	 	
Iron	ppm	22	 	
Copper	ppm			
Lead	ppm	<b>□</b> <1		
Tin Aluminum	ppm	<b>■</b> <1	 	
	ppm	2	 	
Chromium	ppm	2	 	
Molybdenum	ppm	29	 	
Nickel	ppm	■ <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b>1</b>	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1739	 	
Magnesium	ppm	507	 	
Zinc	ppm	1300	 	
Phosphorus	ppm	999	 	
	ppm	0	 	
Barium	μμπ			

#### ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2 NAPLES, FL US 34104 Contact: KEITH SPICER keith\_advanceddiesel@yahoo.com T: (239)580-8731 F:

#### 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:
 VPADVNAP

 Unique No:
 10642979

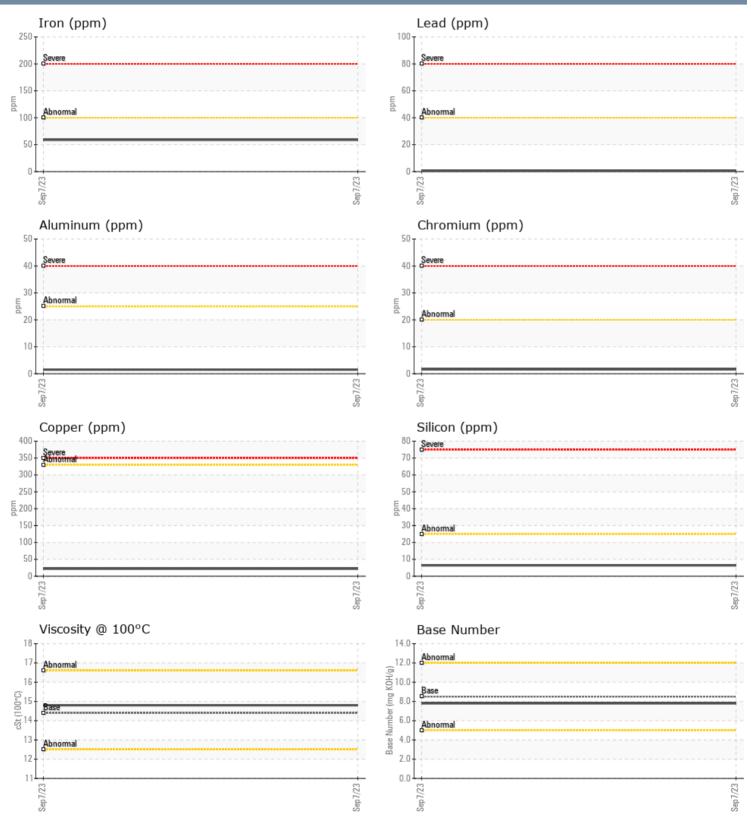
 Signed:
 Doug Bogart

 Report Date:
 12 Sep 2023

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VPADVNAP [WUSCAR] 05947020 (Generated: 09/12/2023 16:47:50) Rev: 1

Contact/Location: KEITH SPICER - VPADVNAP