## **OIL ANALYSIS REPORT**

### VOLVO PENTA

### 7011481290 - PORT DIESEL ENGINE

Sample No: VPA057385

Oil Type: DIESEL ENGINE OIL SAE 15W40

Sample Number		VPA057385	VPA057380	 
Sample Date		06 May 2024	01 May 2024	 
Machine Hours		365	0	 
Oil Hours		0	0	 
Oil Changed		N/A	N/A	 
Sample Status		NORMAL	NORMAL	 
OIL CONDITION				
Visc @ 100°C	cSt	<b>14.37</b>	13.3	 
Base Number (BN)	mg KOH/g	7.6	8.0	 
Oxidation (PA)	%	49	55	 
CONTAMINATION				
Water	%	NEG	NEG	 
Soot %	%	0.1	0.3	 
Nitration (PA)	%	56	47	 
Sulfation (PA)	%	47	55	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	< 1.0	 
Silicon	ppm	<b>10</b>	8	 
Sodium	ppm	2	<b></b> <1	 
Potassium	ppm	<b>1</b>	1	 
WEAR METALS				
Iron	ppm	2	8	 
Copper	ppm	2	15	 
Lead	ppm	<b>□</b> <1	1	 
Tin	ppm	<b>■</b> <1	<b></b> <1	 
Aluminum	ppm	2	2	 
Chromium	ppm	<b>□</b> <1	<1	 
Molybdenum	ppm	90	79	 
Nickel	ppm	<b>■</b> <1	<b></b> <1	 
Titanium	ppm	<b>■</b> <1	1	 
Silver	ppm	0	0	 
Manganese	ppm	<b>□</b> <1	<b></b> <1	 
Vanadium	ppm	0	<1	 
ADDITIVES				
Calcium	ppm	1997	1280	 
Magnesium	ppm	53	399	 
Zinc	ppm	<b>1106</b>	1108	 
Phosphorus	ppm	882	920	 
Barium	ppm	0	0	 
Boron	ppm	122	423	 

#### ADVANCED DIESEL

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

#### Diagnosis

No corrective action is recommended at this time. 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:
 11019155

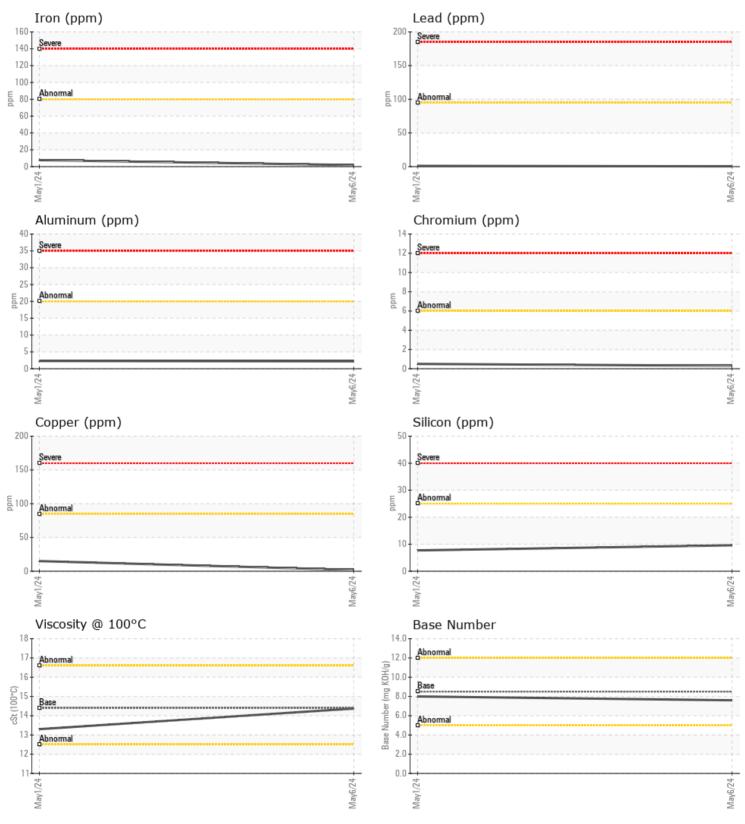
 Signed:
 Doug Bogart

 Report Date:
 08 May 2024

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VPADVNAP [WUSCAR] 06173102 (Generated: 05/08/2024 16:54:24) Rev: 1

Contact/Location: KEITH SPICER - VPADVNAP