# **OIL ANALYSIS REPORT**

# VOLVO PENTA

## 35137508 - STARBOARD DIESEL ENGINE

Sample No: VPA061904

Oil Type: DIESEL ENGINE OIL SAE 15W40

Sample Number		VPA061904	 	
Sample Date		04 Jun 2024	 	
Machine Hours		1905	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	<b>14.1</b>	 	
Base Number (BN)	mg KOH/g	8.8	 	
Oxidation (PA)	%	64	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	50	 	
Sulfation (PA)	%	55	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	2	 	
Potassium	ppm	<b>4</b>	 	
WEAR METALS				
Iron	ppm	7	 	
Copper	ppm	2	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	<b>□</b> <1	 	
Chromium	ppm	<b>□</b> <1	 	
Molybdenum	ppm	21	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	🔲 1889	 	
Magnesium	ppm	<b>166</b>	 	
Zinc	ppm	1175	 	
Phosphorus	ppm	983	 	
Barium	ppm	0	 	
Boron	ppm	<b>142</b>	 	

#### 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 suitable for further service.

Depot: Unique No: Signed: Report Date:

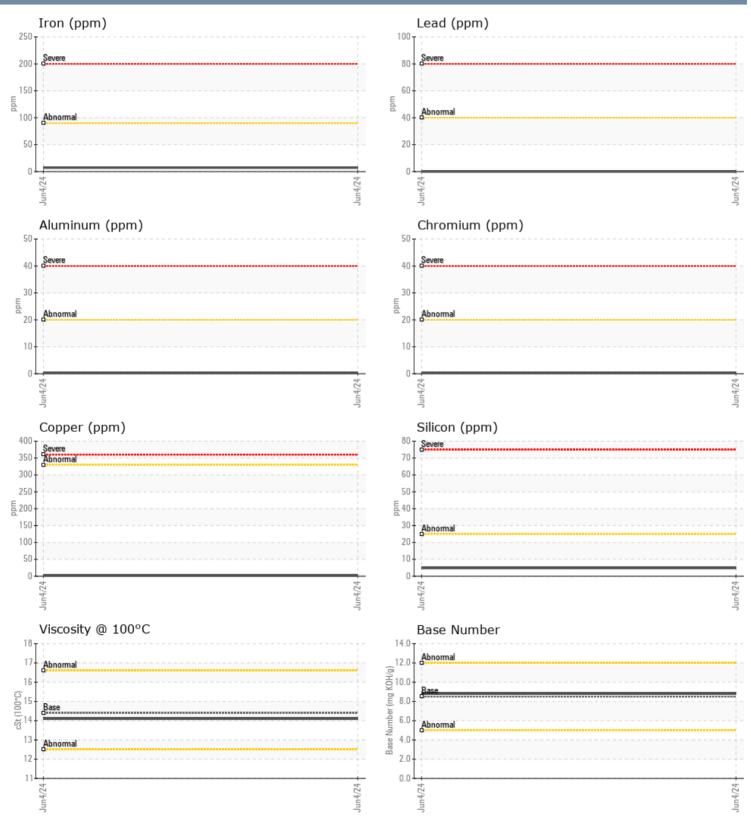
VPADVNAP 11063236 Doug Bogart 06 Jun 2024

Contact/Location: KEITH SPICER - VPADVNAP

# **OIL ANALYSIS REPORT**



### GRAPHS



Report Id: VPADVNAP [WUSCAR] 06201113 (Generated: 06/06/2024 15:44:11) Rev: 1

Contact/Location: KEITH SPICER - VPADVNAP