## **OIL ANALYSIS REPORT**

### 73656469 - PORT DIESEL ENGINE

Sample No: VPA058782

Oil Type: DIESEL ENGINE OIL SAE 15W40

Sample Number		VPA058782	 	
Sample Date		17 May 2024	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		SEVERE	 	
OIL CONDITION				
Visc @ 100°C	cSt	<b>14.0</b>	 	
Base Number (BN)	mg KOH/g	7.9	 	
Oxidation (PA)	%	55	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.3	 	
Nitration (PA)	%	69	 	
Sulfation (PA)	%	49	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	2	 	
Potassium	ppm	<b>  </b> <1	 	
WEAR METALS				
Iron	ppm	28	 	
Copper	ppm	32	 	
Lead	ppm	■ <1	 	
Tin	ppm	0	 	
Aluminum	ppm	<b>4</b> 2	 	
Chromium	ppm	3	 	
Molybdenum	ppm	79	 	
Nickel	ppm	<b>  </b> <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b>  </b> <1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	2078	 	
Magnesium	ppm	97	 	
Zinc	ppm	<b>1203</b>	 	
Phosphorus	ppm	<b>1058</b>	 	
Barium	ppm	0	 	
Boron	ppm	94	 	



ADVANCED DIESEL

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

#### Diagnosis

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.The aluminum level is severe. All other 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.

 Depot:
 VPADVNAP

 Unique No:
 11043992

 Signed:
 Sean Felton

 Report Date:
 24 May 2024

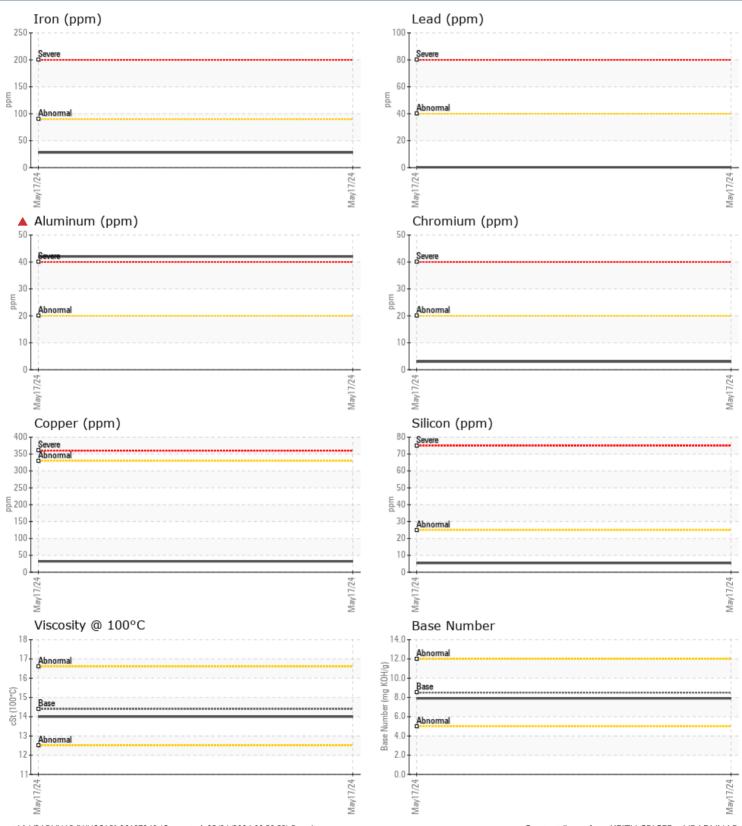
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Contact/Location: KEITH SPICER - VPADVNAP

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#### GRAPHS



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