## **OIL ANALYSIS REPORT**

### A307825 - PORT DIESEL ENGINE

Sample No: VPA036663

**Oil Type: DIESEL ENGINE OIL SAE 40** 

Sample Number		VPA036663	 	
Sample Date		15 Jan 2024	 	
Machine Hours		748	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	<b>14.6</b>	 	
Base Number (BN)	mg KOH/g	8.1	 	
Oxidation (PA)	%	78	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.6	 	
Nitration (PA)	%	88	 	
Sulfation (PA)	%	60	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	0	 	
Potassium	ppm	3	 	
WEAR METALS				
Iron	ppm	30	 	
Copper	ppm	9	 	
Lead 	ppm	2	 	
Tin	ppm	<b>□</b> <1	 	
Aluminum	ppm	<b>4</b>	 	
Chromium	ppm	2	 	
Molybdenum	ppm	38	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b>0</b>	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1667	 	
Magnesium	ppm	<b>451</b>	 	
Zinc	ppm	<b>1237</b>	 	
Phosphorus	ppm	976	 	
Barium	ppm	3	 	
Boron	ppm	<b>48</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: VPADVNAP Unique No: Signed: Report Date:

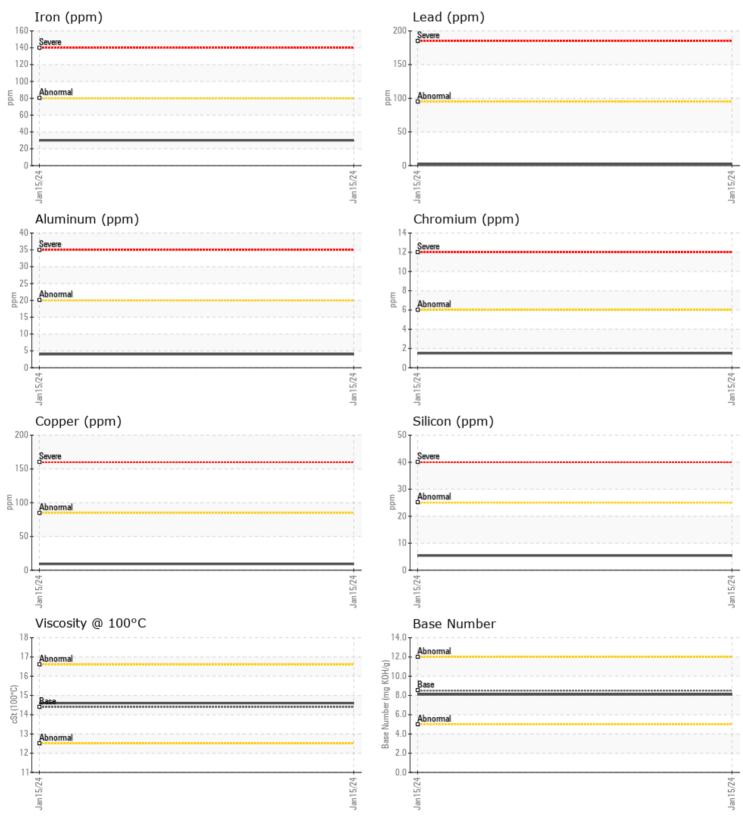
10835340 Don Baldridge 20 Jan 2024

Contact/Location: KEITH SPICER - VPADVNAP

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#### GRAPHS



Report Id: VPADVNAP [WUSCAR] 06063958 (Generated: 01/20/2024 11:41:16) Rev: 1

Contact/Location: KEITH SPICER - VPADVNAP