OIL ANALYSIS REPORT

A829305 - PORT DIESEL ENGINE

Sample No: VPA039796

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMAT				
	IUN			
Sample Number		VPA039796	VPA035283	
Sample Date		31 Jul 2023	29 Dec 2021	
Machine Hours		421	239	
Oil Hours		0	0	
Oil Changed		N/A	N/A	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	13.7	13.2	
Base Number (BN)	mg KOH/g	9.9	10.6	
Oxidation (PA)	%	59	58	
CONTAMINATION				
Soot %	%	0.7	0.1	
Nitration (PA)	%	60	47	
Sulfation (PA)	%	56	53	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	4	5	
Sodium	ppm	0	□ <1	
Potassium	ppm	1	0	
WEAR METALS				
Iron	ppm	∎31	1 1	
Copper	ppm	12	4	
Lead	ppm	5	< 1	
Tin	ppm	∎1	□ <1	
Aluminum	ppm	21	2	
Chromium	ppm	3	 <1	
Molybdenum	ppm	64	51	
Nickel	ppm	2	0	
Titanium	ppm	0	0	
Silver	ppm	 <1	0	
Manganese	ppm	 <1	<1	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	ppm	1095	1015	
Magnesium	ppm	960	851	
Zinc	ppm	 1228	1 119	
Phosphorus	ppm	1026	928	
Barium	ppm	2	1	
Boron	ppm	1	4	

VOLVO PENTA

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:
 10586110

 Signed:
 Jonathan Hester

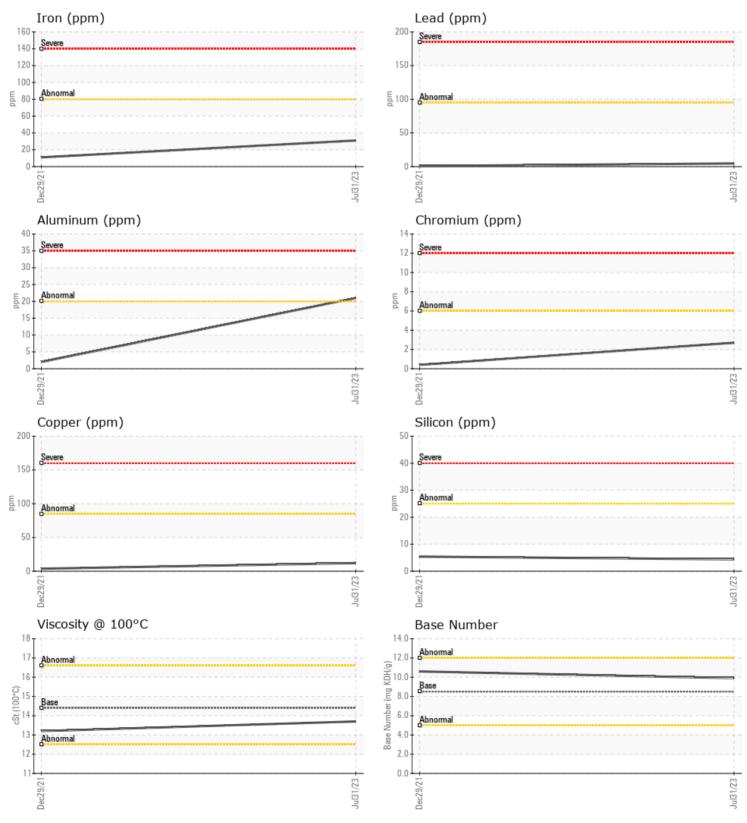
 Report Date:
 03 Aug 2023

Contact/Location: KEITH SPICER - VPADVNAP

OIL ANALYSIS REPORT



GRAPHS



Report Id: VPADVNAP [WUSCAR] 05914196 (Generated: 08/03/2023 15:22:26) Rev: 1

Contact/Location: KEITH SPICER - VPADVNAP