OIL ANALYSIS REPORT

VOLVO PENTA

A304297 - STARBOARD DIESEL ENGINE

Sample No: VPA036652

Oil Type: SHELL ROTELLA T 15W40

Sample Number		VPA036652	 	
Sample Date		01 Dec 2023	 	
Machine Hours		330	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.5	 	
Base Number (BN)	mg KOH/g	9.4	 	
Oxidation (PA)	%	49	 	
CONTAMINATION				
	0(NEC		
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	45 51	 	
Sulfation (PA) Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<1.0 ■6	 	
Sodium	ppm	1	 	
Potassium	ppm	1	 	
WEAR METALS				
Iron	ppm	4	 	
Copper	ppm	10	 	
Lead	ppm	3	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm	■ <1	 	
Molybdenum	ppm	■74	 	
Nickel	ppm	0	 	
Titanium	ppm	■ <1	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	U	 	
ADDITIVES				
Calcium	ppm	1315	 	
Magnesium	ppm	399	 	
Zinc	ppm	1125	 	
Phosphorus	ppm	938	 	
Barium	ppm	2	 	
Boron	ppm	405	 	

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 acceptable for the time in service.

 Depot:
 VPADVNAP

 Unique No:
 10770125

 Signed:
 Sean Felton

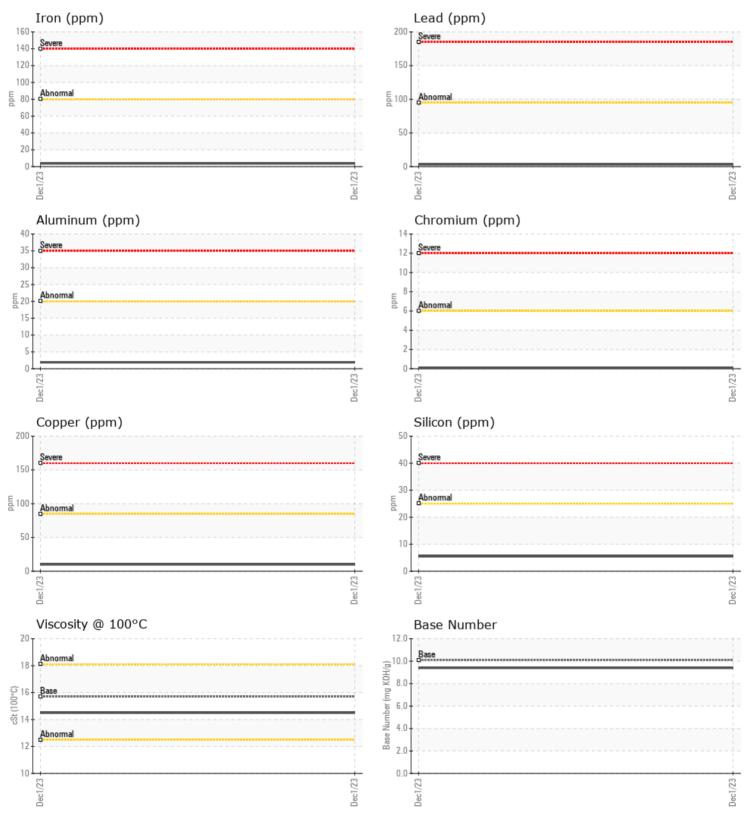
 Report Date:
 07 Dec 2023

Contact/Location: KEITH SPICER - VPADVNAP

OIL ANALYSIS REPORT



GRAPHS



Report Id: VPADVNAP [WUSCAR] 06025625 (Generated: 12/07/2023 19:53:47) Rev: 1

Contact/Location: KEITH SPICER - VPADVNAP