OIL ANALYSIS REPORT

VOLVO PENTA

VERHEEM VERHEEM VOLVO PENTA A334204 - STARBOARD DIESEL ENGINE

Sample No: VPA053616

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number		VPA053616	 	
Sample Date		19 Apr 2024	 	
Machine Hours		143	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.6	 	
Base Number (BN)	mg KOH/g	8.6	 	
Oxidation (PA)	%	62	 	
	70			
CONTAMINATION				
Mater	0/	NEC		
Water	%	NEG	 	
Soot %	%	0.3	 	
Nitration (PA)	%	54	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	1 3	 	
Sodium	ppm	2	 	
Potassium	ppm	6	 	
WEAR METALS				
Iron	ppm	56	 	
Copper	ppm	8	 	
Lead	ppm	2	 	
Tin	ppm	1	 	
Aluminum	ppm	2	 	
Chromium	ppm	1	 	
Molybdenum	ppm	9	 	
Nickel	ppm		 	
Titanium	ppm	□ <1	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	<1	 	
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ADDITIVES				
Calcium	maa	2334	 	

Calcium	ppm	2334	 	
Magnesium	ppm	118	 	
Zinc	ppm	🔲 1191	 	
Phosphorus	ppm	938	 	
Barium	ppm	0	 	
Boron	ppm	150	 	

Harry`s Marine Service LLC

1141 N. Citrus St. Orange, CA US 92887 Contact: TARAH AULD info@harrysmarine.com T: (714)771-7899 F:

Diagnosis

No corrective action is recommended at this time. 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:
 VP867279

 Unique No:
 10992000

 Signed:
 Doug Bogart

 Report Date:
 22 Apr 2024

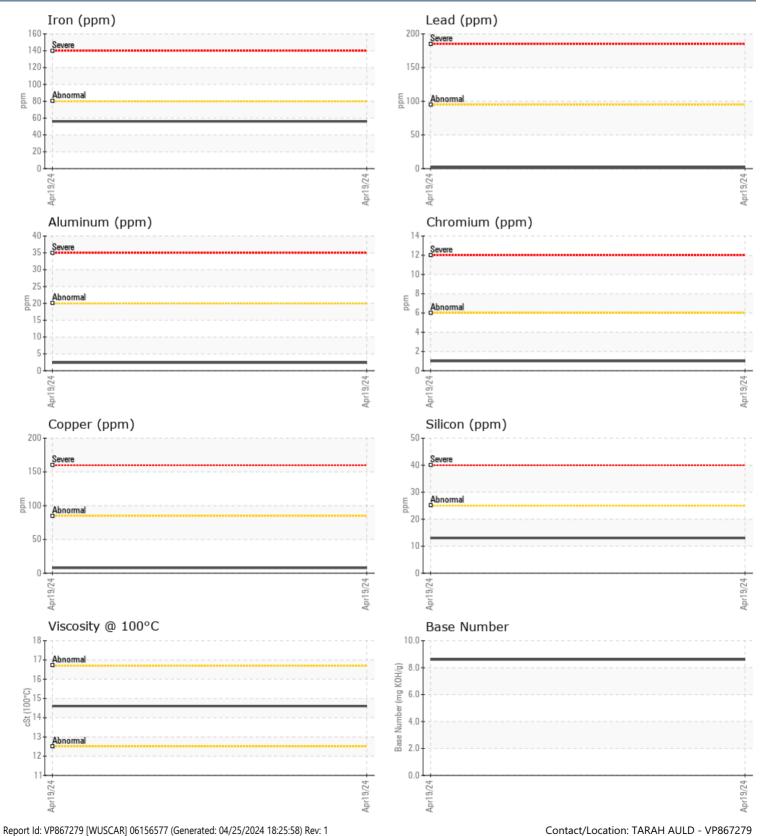
Report Id: VP867279 [WUSCAR] 06156577 (Generated: 04/25/2024 18:25:55) Rev: 1

Contact/Location: TARAH AULD - VP867279

OIL ANALYSIS REPORT



GRAPHS



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