OIL ANALYSIS REPORT

LAMPHER VOLVO PENTA 1012387662 - STARBOARD DIESEL ENGINE

Sample No: VPA056835

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

	IIUN			
Sample Number		VPA056835	 	 -
Sample Date		03 Jan 2024	 	 Α
Machine Hours		0	 	 3
Oil Hours		0	 	 IL
Oil Changed		N/A	 	 U
Sample Status		NORMAL	 	 C
				d
OIL CONDITION				F
Visc @ 100°C	cSt	14.3	 	 Г
Base Number (BN)	mg KOH/g	7.8	 	 -
Oxidation (PA)	%	69	 	 0
CONTANUNATION				
CONTAMINATION				t
Water	%	NEG	 	 á
Soot %	%	0.8	 	 r
Nitration (PA)	%	62	 	 a
Sulfation (PA)	%	61	 	 C
Glycol	%	NEG	 	 t
Fuel	%	<1.0	 	
Silicon	ppm	4	 	
Sodium	ppm	0	 	
Potassium	ppm	7	 	
WEAR METALS				
Iron	ppm	10	 	
Copper	ppm	3	 	
_ead	ppm	 <1	 	
Tin	ppm	1	 	
Aluminum	ppm	2	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	5	 	
Nickel	ppm	1	 	
Titanium	ppm	 <1	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	2111	 	
Magnesium	ppm	58	 	
Zinc	ppm	1181	 	
Phosphorus	ppm	870	 	
Barium	ppm	0	 	
Boron	ppm	167	 	 C
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qua Yacht Harbor Marina

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VOLVO PENTA

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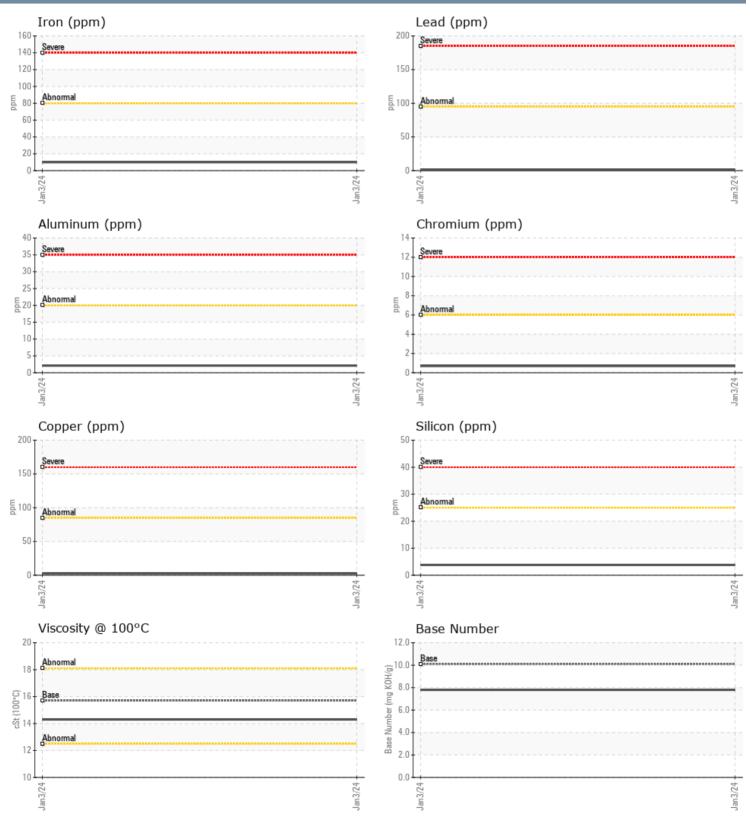
esample at the next service interval o monitor.All component wear rates re normal. There is no indication of ny contamination in the oil. The BN esult indicates that there is suitable Ikalinity remaining in the oil. The ondition of the oil is acceptable for he time in service.

VP299833 10821084

OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: DENNIS KANIZAI - VP299833