OIL ANALYSIS REPORT

DANIEL LUCHTERHAND SAM VOLVO PENTA A287088 - PORT DIESEL ENGINE

Sample No: VPA056879

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA056879	 	
Sample Date		17 Jul 2023	 	
Machine Hours		873	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.7	 	
Base Number (BN)	mg KOH/g	9.7	 	
Oxidation (PA)	%	54	 	
CONTAMINATION				
Soot %	%	0.5	 	
Nitration (PA)	%	48	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	2	 	
Potassium	ppm	0	 	
WEAR METALS				

WEAR METALS

Iron	ppm	1 6	 	
Copper	ppm	3	 	
Lead	ppm	0	 	
Tin	ppm	■<1	 	
Aluminum	ppm	 <1	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	63	 	
Nickel	ppm	■ <1	 	
Titanium	ppm	 <1	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	<1	 	

ADDITIVES

Calcium	ppm	1170	 	
Magnesium	ppm	1075	 	
Zinc	ppm	1330	 	
Phosphorus	ppm	1089	 	
Barium	ppm	0	 	
Boron	ppm	8	 	

Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com T: (206)784-3703 F: (206)784-8823

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:
 VP794951

 Unique No:
 10565393

 Signed:
 Don Baldridge

 Report Date:
 25 Jul 2023

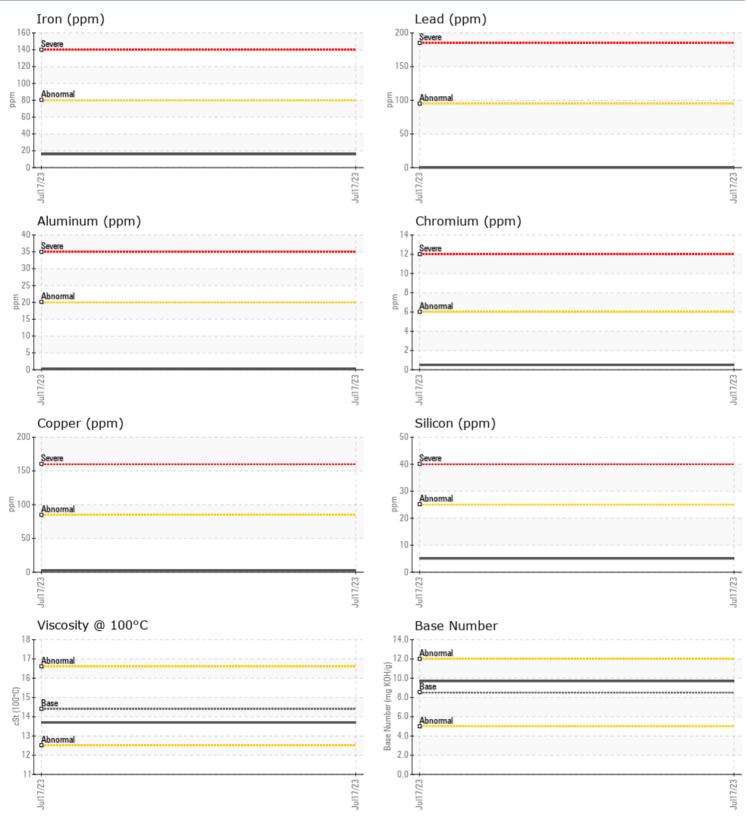
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OIL ANALYSIS REPORT



GRAPHS



Report Id: VP794951 [WUSCAR] 05904037 (Generated: 07/25/2023 19:13:15) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951