OIL ANALYSIS REPORT

PLATYPUS MARINE SAM VOLVO PENTA A 1089722 - STARBOARD DIESEL ENGINE

Sample No: VPA055633

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA055633	 	
Sample Date		29 Jun 2023	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.3	 	
Base Number (BN)	mg KOH/g	9.6	 	
Oxidation (PA)	%	69	 	
CONTAMINATION				
C + 0/	0/	-02		
Soot %	%	0.3	 	
Nitration (PA)	%	55	 	
Sulfation (PA)	%	63	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	21	 	
Sodium	ppm	7	 	
Potassium	ppm	8	 	
WEAR METALS				

WEAR METALS

Iron	ppm	27	 	
Copper	ppm	1 8	 	
Lead	ppm	8	 	
Tin	ppm	2	 	
Aluminum	ppm	<u> </u>	 	
Chromium	ppm	5	 	
Molybdenum	ppm	84	 	
Nickel	ppm	3	 	
Titanium	ppm	■ <1	 	
Silver	ppm	0	 	
Manganese	ppm	1	 	
Vanadium	ppm	<1	 	

ADDITIVES

Calcium	ppm	1576	 	
Magnesium	ppm	610	 	
Zinc	ppm	894	 	
Phosphorus	ppm	731	 	
Barium	ppm	0	 	
Boron	ppm	280	 	

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

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.Aluminum ppm levels are abnormal. Piston wear is indicated. 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:
 10552925

 Signed:
 Angela Borella

 Report Date:
 14 Jul 2023

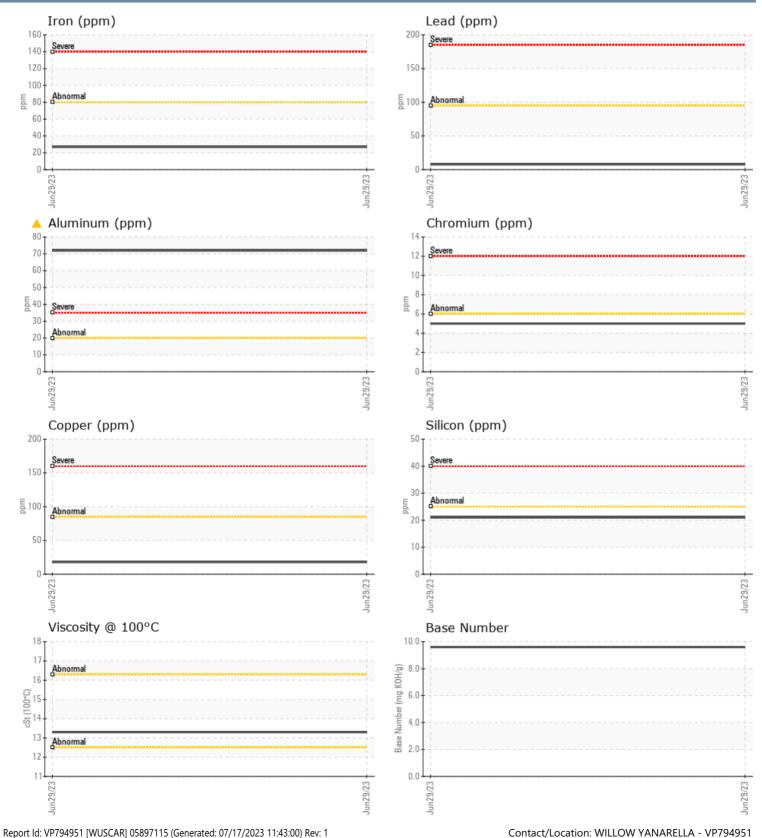
Contact/Location: WILLOW YANARELLA - VP794951



OIL ANALYSIS REPORT



GRAPHS



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