OIL ANALYSIS REPORT

STEVE HUNTER 502240 VOLVO PENTA 4012164261 - STARBOARD GASOLINE ENGINE

Sample No: VPA055649

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

-				
Sample Number		VPA055649	 	
Sample Date		10 Aug 2023	 	
Machine Hours		1272	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	6 .7	 	
Base Number (BN)	mg KOH/g	8.1	 	
Oxidation (PA)	%	10	 	
CONTAMINATION				
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	10	 	
Sulfation (PA)	%	9	 	
Glycol	%	NEG	 	
Fuel	%	4 .0	 	
Silicon	ppm	11	 	
Sodium	ppm	10	 	
Potassium	ppm	4	 	

WEAR METALS

Iron	ppm	110	 	
Copper	ppm	6	 	
Lead	ppm	1	 	
Tin	ppm	5	 	
Aluminum	ppm	10	 	
Chromium	ppm	2	 	
Molybdenum	ppm	4	 	
Nickel	ppm	 <1	 	
Titanium	ppm	<1	 	
Silver	ppm	 <1	 	
Manganese	ppm	1	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	2453	 	
Magnesium	ppm	7	 	
Zinc	ppm	1149	 	
Phosphorus	ppm	1030	 	
Barium	ppm	2	 	
Boron	ppm	29	 	

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

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

 Depot:
 VP794951

 Unique No:
 10607012

 Signed:
 Jonathan Hester

 Report Date:
 21 Aug 2023

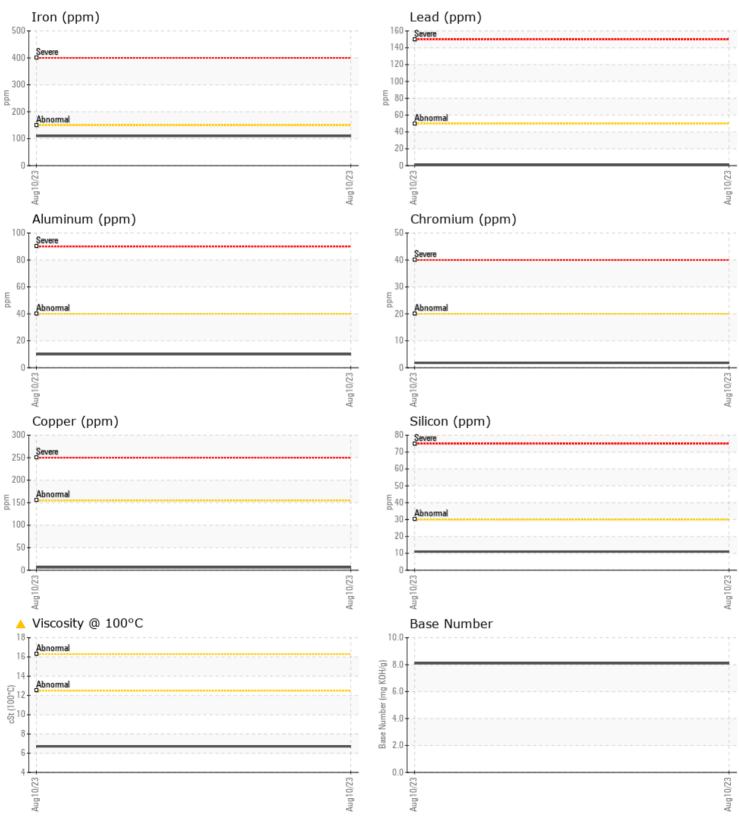
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OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: WILLOW YANARELLA - VP794951