OIL ANALYSIS REPORT

CHRISTIAN LIRIANO CHUCK MERCRUISER 0W334570 - STARBOARD DIESEL ENGINE

Sample No: VPA044356

Oil Type: MERCYRY MARINE 25W40 SYNTH

SAMPLE INFORMATION

Sample Number		VPA044356	 	
Sample Date		06 Dec 2023	 	
Machine Hours		350	 	
Oil Hours		10	 	
Oil Changed		N/A	 	
Sample Status		SEVERE	 	
OIL CONDITION				
Visc @ 100°C	cSt	16.7	 	
Base Number (BN)	mg KOH/g	10.1	 	
Oxidation (PA)	%	37	 	
CONTAMINATION				
Water	%	• 1.75	 	
Soot %	%	0.1	 	
Nitration (PA)	%	76	 	
Sulfation (PA)	%	23	 	
Glycol	%	• 0.10	 	
Fuel	%	0.9	 	
Silicon	ppm	9	 	
Sodium	ppm	A 1453	 	
Potassium	ppm	<u> </u>	 	
WEAR METALS				
Iron	ppm	47	 	
Copper	ppm	5	 	
Lead	ppm	 <1	 	
Tin	ppm	 <1	 	
Aluminum	ppm	0	 	
Chromium	ppm	0	 	
Molybdenum	ppm	41	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	2049	 	
Magnesium	ppm	210	 	
Zinc	ppm	812	 	
Phosphorus	ppm	677	 	

LIBERTY LANDING MARINE

30 AUDREY ZAPP DR JERSEY CITY, NJ JS 07305 Contact: JOHN PURINTON purinton@suntex.com T: (201)985-8000 --

Diagnosis

We advise that you check for the source of the coolant leak. Check for ow coolant level. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.All component wear rates are normal. Sodium and/or potassium levels are high. Test for glycol is positive. Fuel content negligible. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no onger serviceable due to the presence of contaminants.



ppm

ppm

0 🔲

191

Barium

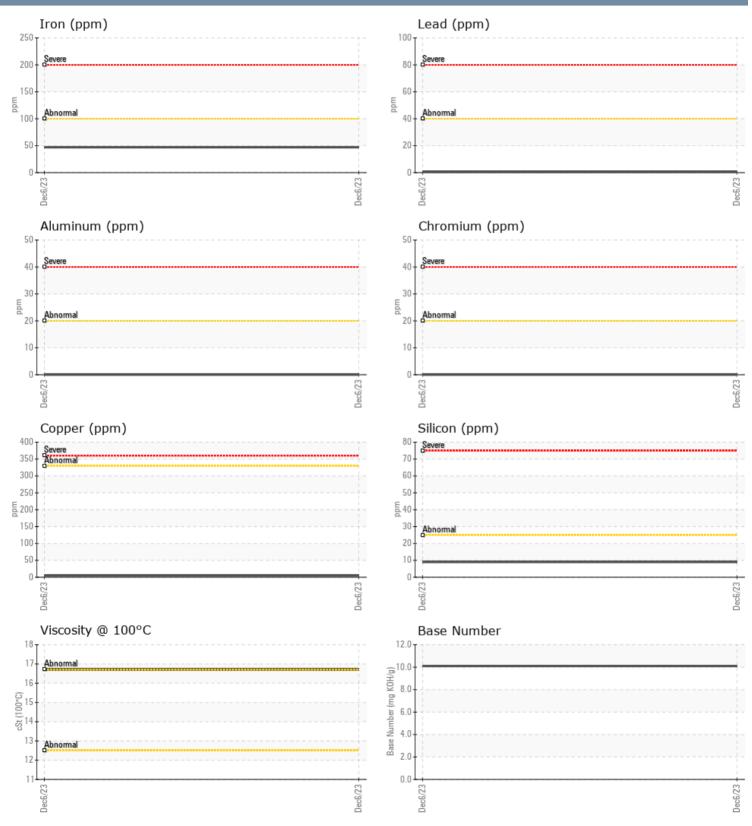
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Contact/Location: JOHN PURINTON - VP454834

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GRAPHS



Report Id: VP454834 [WUSCAR] 06044513 (Generated: 12/29/2023 14:22:25) Rev: 2

Contact/Location: JOHN PURINTON - VP454834