OIL ANALYSIS REPORT

AONBHARR 10072 M60607 - STARBOARD DIESEL ENGINE

Sample No: VPA047724

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

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Sample Number		VPA047724			
Sample Date		12 Dec 2023			
Machine Hours		1119			
Oil Hours		26			
Oil Changed		N/A			
Sample Status		ABNORMAL			
OIL CONDITION					
Visc @ 100°C	cSt	13.0			
Base Number (BN)	mg KOH/g	9.7			
Oxidation (PA)	%	63			
CONTAMINATION					
Water	%	NEG			
Soot %	%	0.1			
Nitration (PA)	%	57			
Sulfation (PA)	%	55			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon					
	ppm	□ 4 □ 2			
Sodium	ppm				
Potassium	ppm	2			
WEAR METALS					
Iron	ppm	4			
Copper	ppm	123			
Lead	ppm	0			
Tin	ppm	 <1			
Aluminum	ppm	2			
Chromium	ppm	□ <1			
Molybdenum	ppm	4 6			
Nickel	ppm	 <1			
Titanium	ppm	0			
Silver	ppm	 <1			
Manganese	ppm	□ <1			
Vanadium	ppm	<1			
ADDITIVES					
Calcium	ppm	1747			
Magnesium	ppm	448			
-					

The Talaria Company 202 Banks St., One Little Harbor Landing

OXFORD, MD US 21654 Contact: TRACY PELLERIN tpellerin@hinckleyyachts.com T: (410)770-4899 F: x:

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other 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:
 VP592286

 Unique No:
 10794142

 Signed:
 Sean Felton

 Report Date:
 20 Dec 2023

1226

0 🔲

117

ppm

ppm

ppm

ppm

Zinc

Barium

Boron

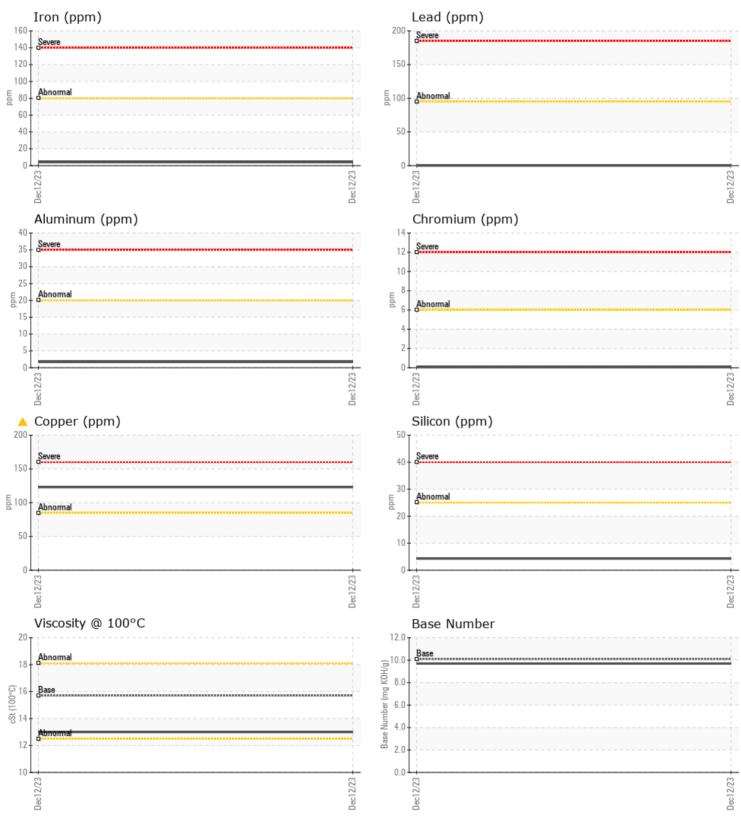
Phosphorus

Contact/Location: TRACY PELLERIN - VP592286

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GRAPHS



Report Id: VP592286 [WUSCAR] 06038913 (Generated: 12/20/2023 16:59:26) Rev: 1

Contact/Location: TRACY PELLERIN - VP592286