OIL ANALYSIS REPORT

UNCOMPROMISED 3723 2004030081 - STARBOARD DIESEL ENGINE

Sample No: VPA060640

Oil Type: SHELL 15W40

SAMPLE INFORMATION

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Sample Number		VPA060640			
Sample Date		30 Nov 2023			
Machine Hours		427			
Oil Hours		101			
Oil Changed		Changed			
Sample Status		NORMAL			
OIL CONDITION					
Visc @ 100°C	cSt	13.6			
Base Number (BN)	mg KOH/g	9.9			
Oxidation (PA)	%	67			
CONTRAMINATION					
CONTAMINATION					
Water	%	NEG			
Soot %	%	0.1			
Nitration (PA)	%	62			
Sulfation (PA)	%	57			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	7			
Sodium	ppm	2			
Potassium	ppm	2			
WEAR METALS					
Iron	ppm	1 8			
Copper	ppm	5			
Lead	ppm	4			
Tin	ppm	_ _<1			
Aluminum	ppm	13			
Chromium	ppm	2			
Molybdenum	ppm	59			
Nickel	ppm	2			
Titanium	ppm	0			
Silver	ppm	0			
Manganese	ppm	□ <1			
Vanadium	ppm	0			
ADDITIVES					
Calcium	ppm	1119			
Magnesium	ppm	899			
Zinc	ppm	1274			
Phosphorus	ppm	1089			
Barium	ppm	□ <1			
Boron	ppm	1 4			

Unique No: Signed: Report Date: 20 Dec 2023

Contact/Location: TRACY PELLERIN - VP592286



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:

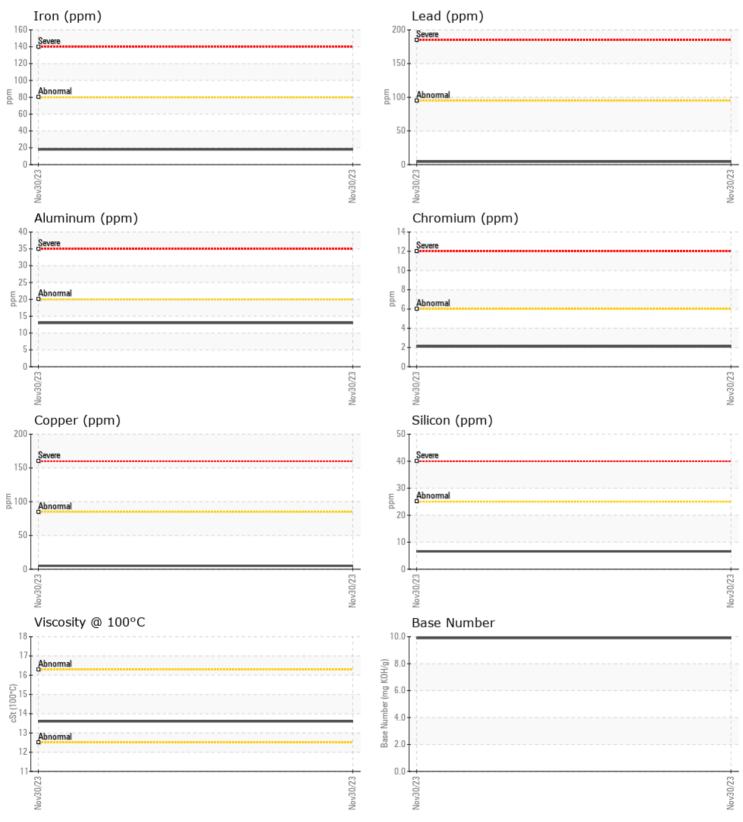
Diagnosis

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.

OIL ANALYSIS REPORT



GRAPHS



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