OIL ANALYSIS REPORT

MILES TO GO 3703 2B539495 - STARBOARD GASOLINE ENGINE

Sample No: VPA052473

Oil Type: QUICKSILVER 25W40

SAMPLE INFORMATION

Sample Number		VPA052473	VPA030056	
Sample Date		12 Jan 2024	12 Dec 2019	
Machine Hours		110	0	
Oil Hours		50	0	
Oil Changed		Changed	N/A	
Sample Status		ABNORMAL	ATTENTION	
OIL CONDITION				
Visc @ 100°C	cSt	10.4	9.95	
Base Number (BN)	mg KOH/g	7.7		
Oxidation (PA)	%	12	13	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	0.1	0.1	
Nitration (PA)	%	7	8	
Sulfation (PA)	%	10	11	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	1 3	6 3	
Sodium	ppm	2	6	
Potassium	ppm	4	0	
WEAR METALS				
Iron	ppm	9	14	
Copper	ppm	<u> </u>	▲ 335	
Lead	ppm	2	2	
Tin	ppm	 <1	 < 1	
Aluminum	ppm	 <1	6	
Chromium	ppm	0	<1	
Molybdenum	ppm	48	48	
Nickel	ppm	0	 <1	
Titanium	ppm	<1	<1	
Silver	ppm	0	0	
Manganese	ppm	<1	<1	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	ppm	1950	1990	
Magnesium	ppm	8	14	
Zinc	ppm	823	725	
Phosphorus	ppm	740	642	
Barium	ppm	0	8	
Boron	ppm	196	146	

VOLVO PENTA

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. Oil and filter change at the time of sampling has been noted. 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 metal levels are typical for a new component breaking in. 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:
 10884394

 Signed:
 Sean Felton

 Report Date:
 19 Feb 2024

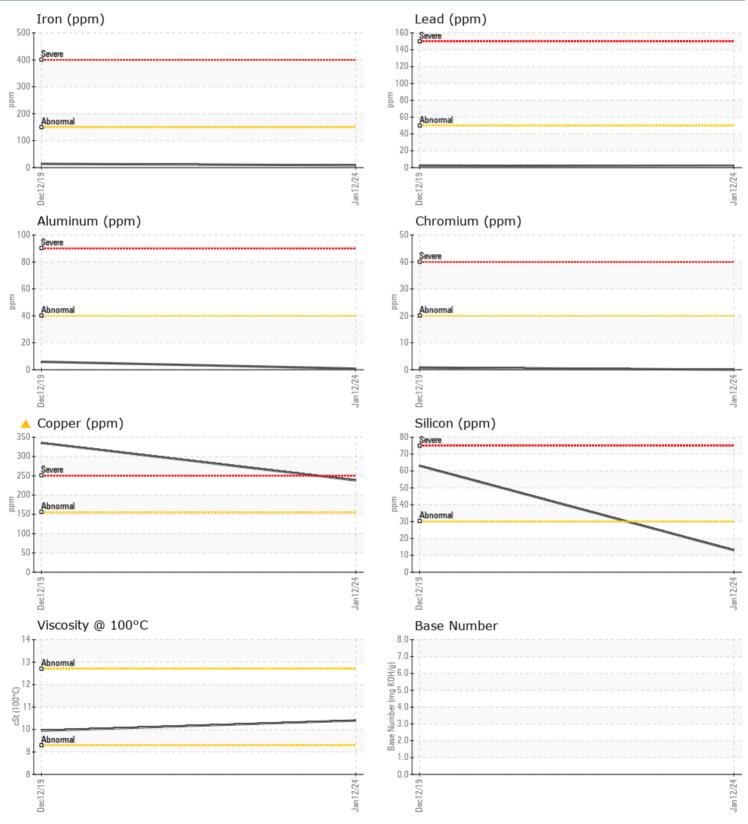
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Contact/Location: TRACY PELLERIN - VP592286

OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: TRACY PELLERIN - VP592286