OIL ANALYSIS REPORT

VOLVO PENTA

PATRIOT A1023206 - CENTER DIESEL ENGINE

Sample No: VPA052364

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION					
Sample Number		VPA052364	VPA044666		
Sample Date		19 Feb 2024	31 Jan 2023		
Machine Hours		141	0		
Oil Hours		34	0		
Oil Changed		N/A	Changed		
Sample Status		NORMAL	NORMAL		
OIL CONDITION					
Visc @ 100°C	cSt	14.0	14.0		
Base Number (BN)	mg KOH/g	9.0	7.6		
Oxidation (PA)	%	61	52		
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CONTAMINATION					
Water	%	NEG	NEG		
Soot %	%	0.1	0.1		
Nitration (PA)	%	49	58		
Sulfation (PA)	%	52	49		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon	ppm	6	7		
Sodium	ppm	0	2		
Potassium	ppm	4	3		
WEAR METALS					
Iron	ppm	8	8		
Copper	ppm	2	2		
Lead	ppm	 <1	< 1		
Tin	ppm	 <1	 <1		
Aluminum	ppm	2	4		
Chromium	ppm	 <1	<1		
Molybdenum	ppm	35	70		
Nickel	ppm	 <1	0		
Titanium	ppm	■ <1	0		
Silver	ppm	0	0		
Manganese	ppm	□ <1	□ <1		
Vanadium	ppm	<1	0		
ADDITIVES					
Calcium	ppm	1841	2076		
Magnesium	ppm	284	30		
Zinc	ppm	1142	1141		
Phosphorus	ppm	998	980		
Barium	ppm	0	 < 1		
Boron	ppm	125	111		

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 suitable for further service.

 Depot:
 VP592286

 Unique No:
 10928141

 Signed:
 Don Baldridge

 Report Date:
 18 Mar 2024

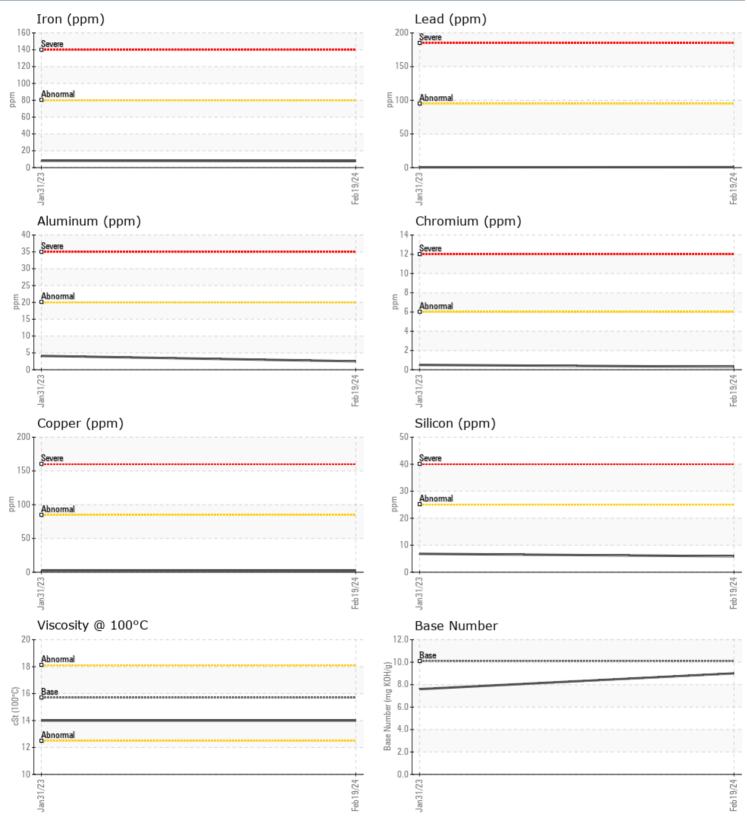
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Contact/Location: TRACY PELLERIN - VP592286

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP592286 [WUSCAR] 06119308 (Generated: 03/18/2024 15:02:50) Rev: 1

Contact/Location: TRACY PELLERIN - VP592286