OIL ANALYSIS REPORT

JAMES BARROW 48515 2006013718 - STARBOARD MAIN ENGINE

Sample No: VPA021039

Oil Type: SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA021039	 	
Sample Date		11 Apr 2024	 	
Machine Hours		935	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.2	 	
Oxidation (PA)	%	69	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0	 	
Nitration (PA)	%	69	 	
Sulfation (PA)	%	57	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	4	 	
Sodium	ppm	3	 	
Potassium	ppm	 <1	 	
WEAR METALS				
Iron	ppm	12	 	
Copper	ppm	2	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	46	 	
Nickel	ppm	■ <1	 	
Titanium	ppm	■ <1	 	

Vanadium ADDITIVES

Manganese

ppm

ppm

ppm

Silver

Calcium	ppm	1369	 	
Magnesium	ppm	655	 	
Zinc	ppm	861	 	
Phosphorus	ppm	751	 	
Barium	ppm	0	 	
Boron	ppm	41	 	

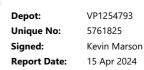
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505 THOUSAND ISLANDS PKWY LANDSDOWNE, ON CA K0E 1L0 Contact: Service Manager

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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 condition of the oil is acceptable for the time in service.



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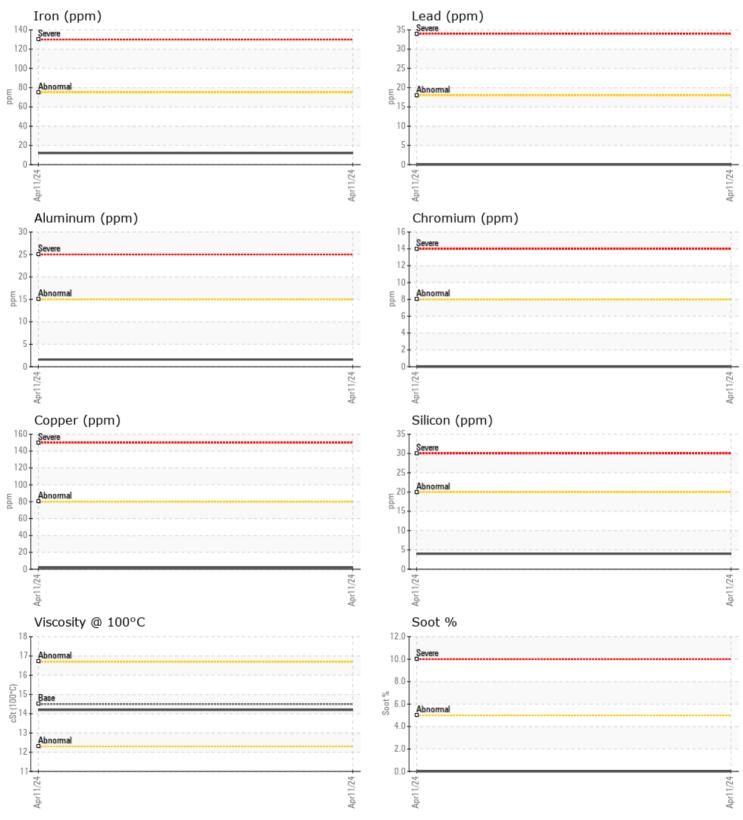
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Contact/Location: Service Manager - VP1254793

OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: Service Manager - VP1254793