OIL ANALYSIS REPORT

ALEX PANAGOS MERCRUISER OL647743 - STARBOARD GASOLINE ENGINE

Sample No: VPA048605

Oil Type: MERCURY 25W40

SAMPLE INFORMATION

Sample Number		VPA048605	 	
Sample Date		01 Dec 2023	 	
Machine Hours		662	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
Sumple Status				
OIL CONDITION				
Visc @ 100°C	cSt	A 11.0	 	
Base Number (BN)	mg KOH/g	7.1	 	
Oxidation (PA)	%	13	 	
CONTAMINATION				
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0	 	
Nitration (PA)	%	7	 	
Sulfation (PA)	%	10	 	
Glycol	%	NEG	 	
Fuel	%	<u> </u>	 	
Silicon	ppm	1 3	 	
Sodium	ppm	1	 	
Potassium	ppm	1	 	
WEAR METALS				
Iron	ppm	108	 	
Copper	ppm	2	 	
Lead	ppm	 _ <1	 	
Tin	ppm		 	
Aluminum	ppm	1	 	
Chromium	ppm		 	
Molybdenum	ppm	56	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	2138	 	
Magnesium	ppm	12	 	
Zinc	ppm	889	 	
Phosphorus	ppm	796	 	
Barium	ppm	3	 	
Boron	ppm	223	 	



CHICAGO YACHT WORKS 2550 S ASHLAND AVE CHICAGO, IL US 60608 Contact: JONATHAN PAIGE jonathan@chicagoyachtworks.com T: (312)666-6670

Diagnosis

F:

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

 Depot:
 VP1080862

 Unique No:
 10778815

 Signed:
 Jonathan Hester

 Report Date:
 18 Dec 2023

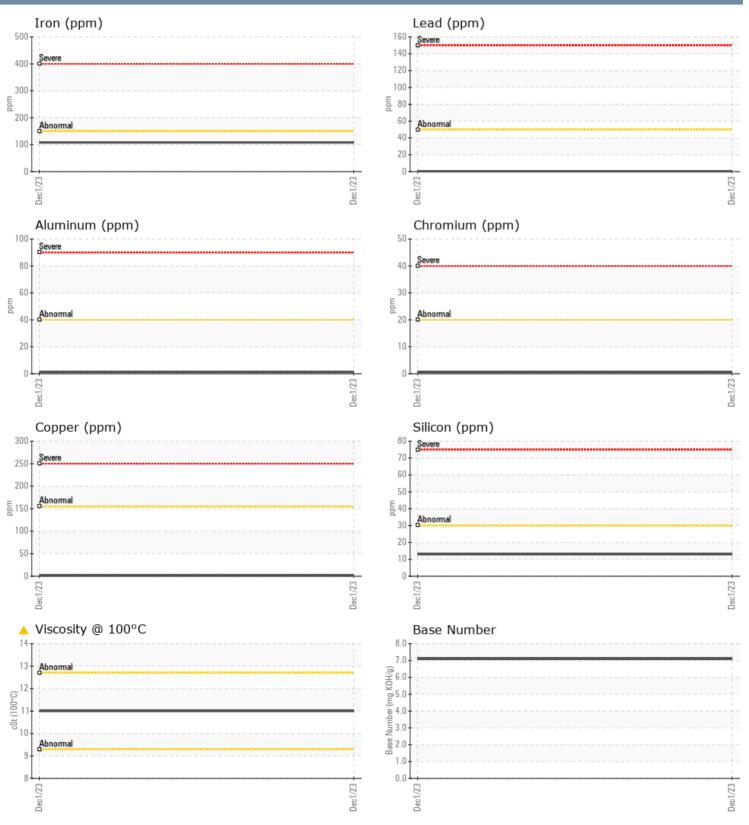
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Contact/Location: JONATHAN PAIGE - VP1080862

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GRAPHS



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