OIL ANALYSIS REPORT

ARTIE CHIODO ZF 3217003037 - INBOARD - PORT IPS

Sample No:VPA034303Oil Type:NOT GIVEN

SAMPLE INFORMATION

Sample Number		VPA034303	 	
Sample Date		16 Oct 2023	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		MARGINAL	 	
OIL CONDITION				
Visc @ 40°C	cSt	66.5	 	
CONTAMINATION				
Silicon	ppm	8	 	
Sodium	ppm	3	 	
Potassium	ppm	1	 	
WEAR METALS				
PQ		1 2	 	
Iron	nnm	8	 	
Copper	ppm ppm	■ 8 ▲ 76	 	
Lead	ppm	2	 	
Tin	ppm	- <1	 	
Aluminum	ppm	12	 	
Chromium	ppm	0	 	
Molybdenum	ppm	38	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	2181	 	
Magnesium	ppm	510	 	
Zinc	ppm	1232	 	
Phosphorus	ppm	1011	 	
Barium	ppm	0	 	
Boron	ppm	157	 	



Seaborn Marina Inc. 87 Ocean Ave. BAY SHORE, NY US 11706 Contact: TOM parts@seabornmarina.com T: (631)665-0037

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.The copper level is abnormal. All other 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.

Depot:	VP543511		
Unique No:	10698002		
Signed:	Sean Felton		
Report Date:	18 Oct 2023		

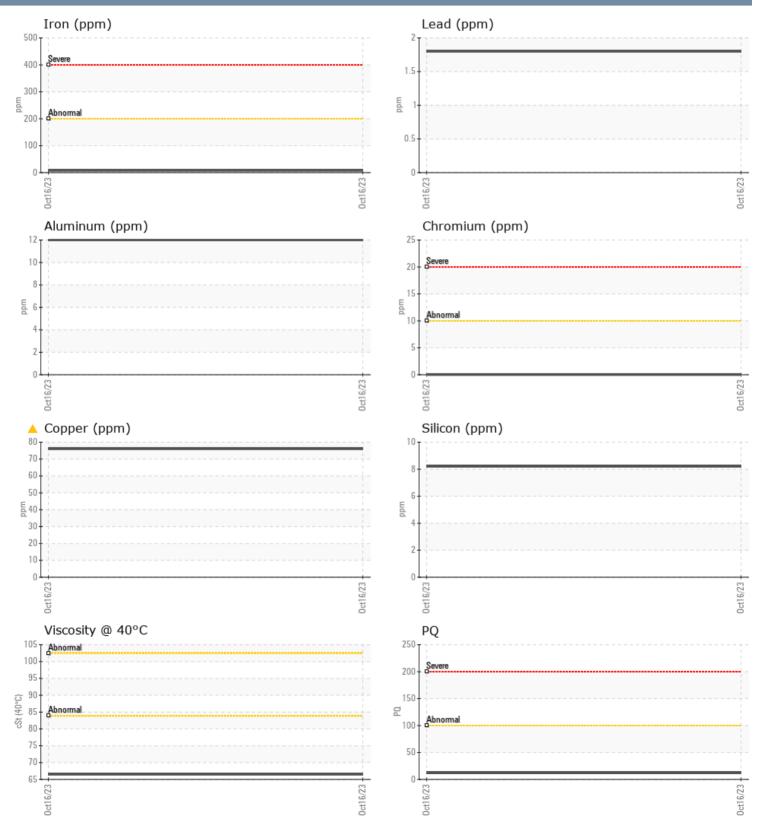
Report Id: VP543511 [WUSCAR] 05980707 (Generated: 10/27/2023 04:09:30) Rev: 1

Contact/Location: TOM ? - VP543511

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GRAPHS



Report Id: VP543511 [WUSCAR] 05980707 (Generated: 10/27/2023 04:09:32) Rev: 1

Contact/Location: TOM ? - VP543511