OIL ANALYSIS REPORT

JOHN ARENDSHORST ZF 20415452 - INBOARD - STARBOARD GEARBOX

Sample No: VPA049875

Oil Type: SAE 30W

SAMPLE INFORMATION

Sample Number		VPA049875	 	
Sample Date		15 Dec 2023	 	 YACHT BASIN MARIN
Machine Hours		127	 	 1866 OTTAWA BEACH
Oil Hours		127	 	 HOLLAND, MI
Oil Changed		Changed	 	 US 49424
Sample Status		NORMAL	 	 Contact: OIL SAMPLE/I
				kyle@yachtbasinmarin
OIL CONDITION				T: (616)786-2205 F:
Visc @ 40°C	cSt	79.9	 	 г.
CONTAMINATIO	N			Diagnosis
Water	%	NEG	 	 Resample at the next
Silicon	ppm	6	 	 to monitor.All compo are normal. There is n
Sodium	ppm	0	 	 any contamination in
Potassium	ppm	1	 	 condition of the oil is
				the time in service.
WEAR METALS				
PQ		13	 	
Iron	ppm	10	 	
Copper	ppm	159	 	
Lead	ppm	0	 	
Tin	ppm	 <1	 	
Aluminum	ppm	4	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	90	 	
Nickel	ppm	0	 	
Titanium	ppm	 <1	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1460	 	 _
Magnesium	ppm	403	 	
Zinc	ppm	861	 	
Phosphorus	ppm	765	 	
Barium	ppm	0	 	
Boron	ppm	177	 	
		_ · · ·		



ct: OIL SAMPLE/PART yachtbasinmarina.com 6)786-2205

nosis

mple at the next service interval onitor.All component wear rates ormal. There is no indication of ontamination in the oil. The ition of the oil is acceptable for me in service.

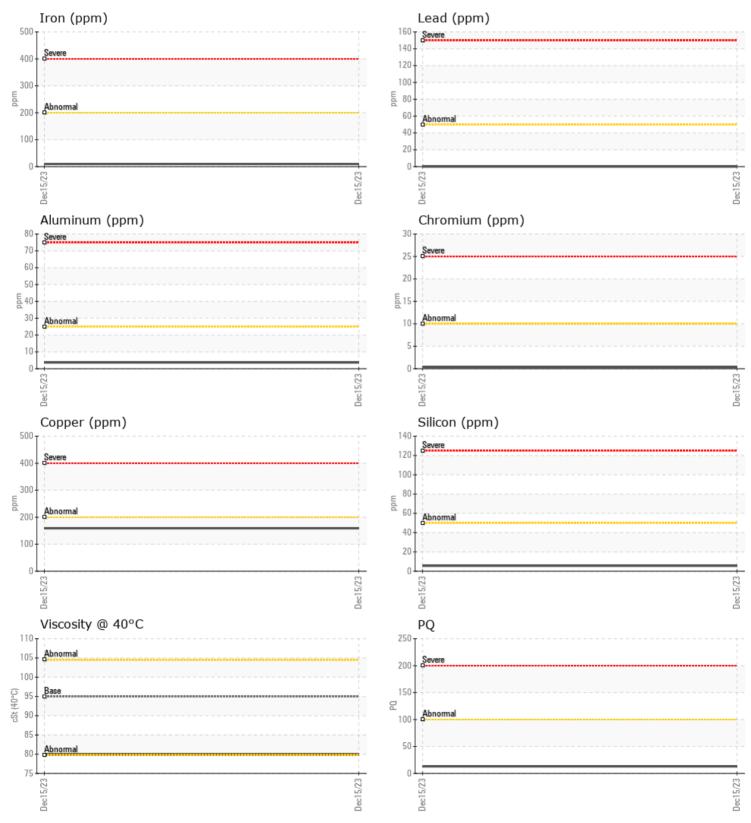
Depot: VP718610 Unique No: 10803003 Signed: Don Baldridge Report Date: 24 Dec 2023

Contact/Location: OIL SAMPLE/PART - VP718610

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP718610 [WUSCAR] 06042395 (Generated: 12/24/2023 11:01:48) Rev: 2

Contact/Location: OIL SAMPLE/PART - VP718610