OIL ANALYSIS REPORT

JOE FRANCO MAN 69013420821336 - STARBOARD DIESEL ENGINE

Sample No: VPA060208

Oil Type: MOBIL DELVAC 1 5W40

SAMPLE INFORMATION

Sample Number		VPA060208	 	
Sample Date		05 Oct 2023	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.3	 	
Base Number (BN)	mg KOH/g	6.2	 	
Oxidation (PA)	%	163	 	
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	63	 	
Sulfation (PA)	%	94	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	3	 	
Sodium	ppm	■ <1	 	
Potassium	ppm	2	 	

WEAR METALS

Iron	ppm	25	 	
Copper	ppm	9	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	4	 	
Chromium	ppm	2	 	
Molybdenum	ppm	45	 	
Nickel	ppm	1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	□<1	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	1014	 	
Magnesium	ppm	832	 	
Zinc	ppm	1206	 	
Phosphorus	ppm	1037	 	
Barium	ppm	0	 	
Boron	ppm	155	 	

BAY MARINE

3 E MADISON ST WAUKEGAN, IL US 60085 Contact: NANCY FELHOFER NANCY.FELHOFER@BAYMARINE.NET T: E:

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 acceptable for the time in service.

 Depot:
 VP1174336

 Unique No:
 10683856

 Signed:
 Don Baldridge

 Report Date:
 10 Oct 2023

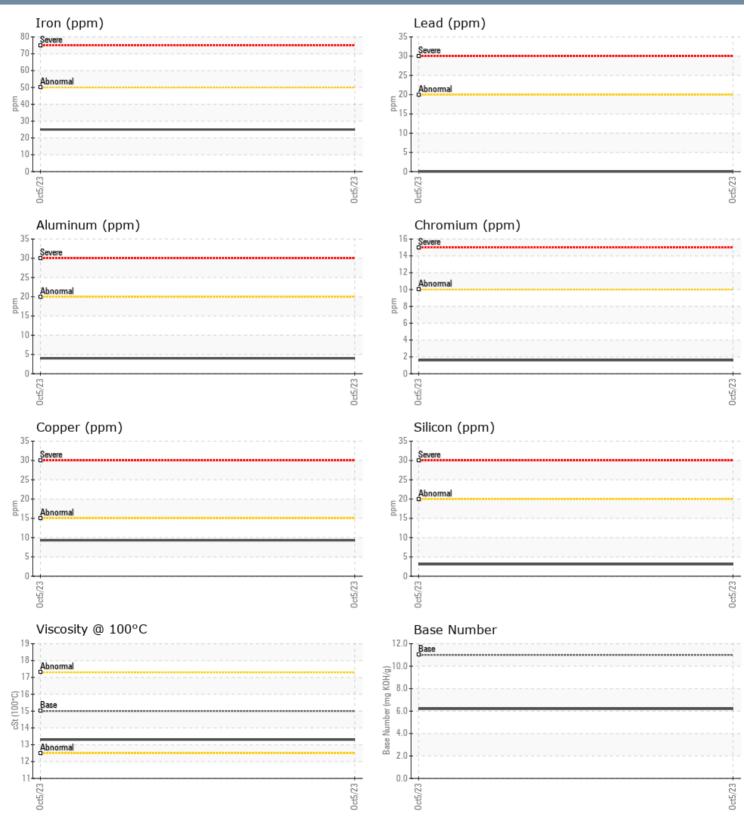
Contact/Location: NANCY FELHOFER - VP1174336



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GRAPHS



Contact/Location: NANCY FELHOFER - VP1174336