OIL ANALYSIS REPORT

ROGER MILLER VOLVO PENTA 3940024364 - STARBOARD IPS

Sample No: VPA057187

Oil Type: MOBIL DELVAC 1 SYNTHETIC GEAR SAE 75W90

SAMPLE INFORMA	ATIUN			
Sample Number		VPA057187	VPA259447	
Sample Date		16 Feb 2024	21 Jan 2021	
Machine Hours		784	341	
Oil Hours		120	0	
Oil Changed		Changed	Not Changd	
Sample Status		ABNORMAL	NORMAL	
OIL CONDITION				
Visc @ 40°C	cSt	108.6	89.64	
CONTAMINATION				
Water	%	0.315	NEG	
Silicon	ppm	20	31	
Sodium	ppm	31	32	
Potassium	ppm	 <1	0	
WEAR METALS				
PQ		22	38	
Iron	ppm	<u> </u>	188	
Copper	ppm	31	30	
Lead	ppm	0	1	
Tin	ppm	0	0	
Aluminum	ppm	2	4	
Chromium	ppm	2	1	
Molybdenum	ppm	0	2	
Nickel	ppm	2	2	
Titanium	ppm	0	<1	
Silver	ppm	0	<1	
Manganese	ppm	4	7	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	ppm	0	37	
Magnesium	ppm	24	760	
Zinc	ppm	17	31	
Phosphorus	ppm	1505	1413	
Barium	ppm	0	1	
Boron	ppm	246	352	

GRAND BANKS

450 SW SALEM RD STUART, FL US 34994 Contact: ROBERT ANTONA roberta@gbmarinegroup.com T: (609)384-5290 r.

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.Gear wear is indicated. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot:	VP531377		
Unique No:	10890218		
Signed:	Doug Bogart		
Report Date:	22 Feb 2024		

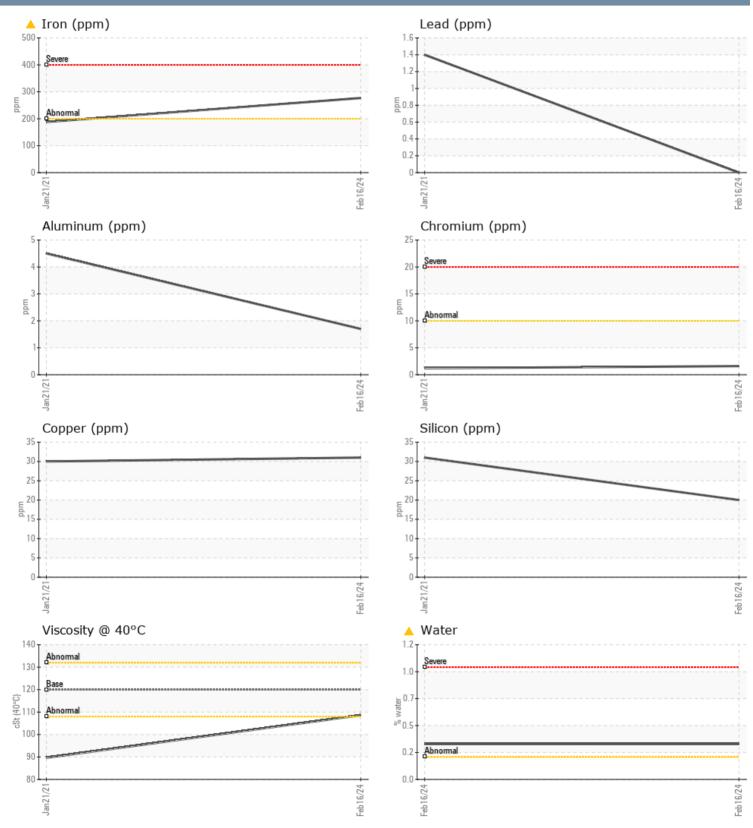
Contact/Location: ROBERT ANTONA - VP531377



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GRAPHS



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Contact/Location: ROBERT ANTONA - VP531377