## **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	%	<b>0.315</b>	NEG	 
Silicon	ppm	20	31	 
Sodium	ppm	31	32	 
Potassium	ppm	<b></b> <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	<b>4</b>	7	 
Vanadium	ppm	0	0	 
ADDITIVES				
Calcium	ppm	0	37	 
Magnesium	ppm	24	760	 
Zinc	ppm	<b>17</b>	31	 
Phosphorus	ppm	<b>1505</b>	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		

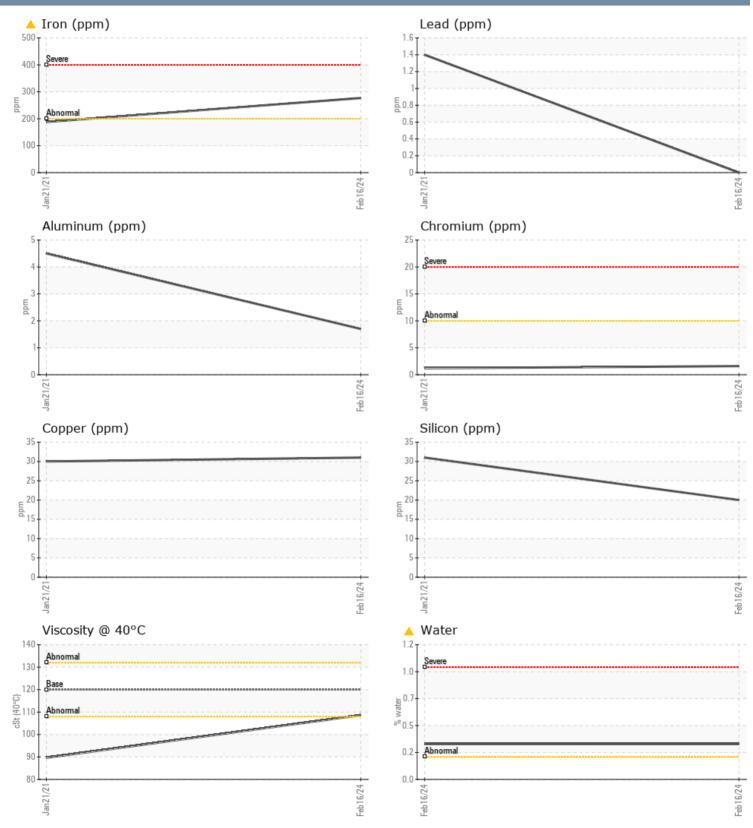
Contact/Location: ROBERT ANTONA - VP531377



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#### GRAPHS



Report Id: VP531377 [WUSCAR] 06097365 (Generated: 02/22/2024 17:44:29) Rev: 1

Contact/Location: ROBERT ANTONA - VP531377