## **OIL ANALYSIS REPORT**

## MORSE MERCRUISER MORSE (S/N NOT GIVEN) - GASOLINE ENGINE

Sample No: VPA055716 Oil Type: {unknown}

#### SAMPLE INFORMATION VPA055716 Sample Number Sample Date 27 Apr 2023 Machine Hours 500 0 Oil Hours Oil Changed N/A NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.7 Base Number (BN) mg KOH/g 7.3 Oxidation (PA) % 10 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 6

( )				
Sulfation (PA)	%	10	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	28	 	
Sodium	ppm	24	 	
Potassium	ppm	3	 	

## WEAR METALS

Iron	ppm	<b>1</b> 4	 	
Copper	ppm	34	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm		 	
Molybdenum	ppm	44	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	maa	0	 	

#### **ADDITIVES** Calcium 1368 ppm 241 Magnesium ppm Zinc ppm 694 528 Phosphorus ppm 0 Barium ppm Boron ppm 93

**Outstanding Marine** PO Box 274

GALENA, MD US 21635 Contact: Ronda Bolinger rlwb@verizon.net T: F:

## 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:
 VP153685

 Unique No:
 10445806

 Signed:
 Sean Felton

 Report Date:
 01 May 2023

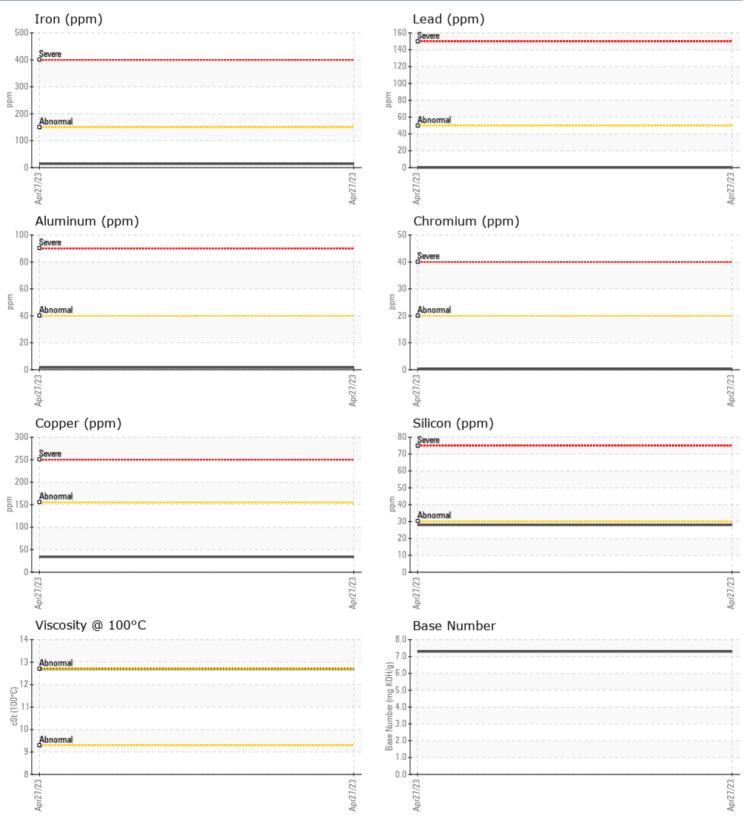
Contact/Location: Ronda Bolinger - VP153685



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### GRAPHS



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Contact/Location: Ronda Bolinger - VP153685