## **OIL ANALYSIS REPORT**



### MR WEIR WESTERBEKE GMVXL01-3E - GENSET

Sample No: VPA045585

Oil Type: SHELL ROTELLA T 15W40

Sample Number		VPA045585	 	
Sample Date		09 Jan 2024	 	
Machine Hours		197	 	
Oil Hours		197	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.3	 	
Base Number (BN	) mg KOH/g	7.9	 	
Oxidation (PA)	%	70	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	<b>0.1</b>	 	
Nitration (PA)	%	48	 	
Sulfation (PA)	%	57	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	6	 	
Potassium	ppm	6	 	
WEAR METALS				
Iron	ppm	<b>4</b>	 	
Copper	ppm	2	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	<b>■</b> <1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	2	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b>0</b>	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	2001	 	
Magnesium	ppm	21	 	
Zinc	ppm	<b>1169</b>	 	
Phosphorus	ppm	984	 	
Barium	ppm	0	 	
Boron	ppm	<b>189</b>	 	

#### Walstrom Marine - 767948

501 Bay Street HARBOR SPRINGS, MI US 49740 Contact: MARK LEWIS mlewis@walstrom.com 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 suitable for further service.

 Depot:
 VP154879

 Unique No:
 10832028

 Signed:
 Jonathan Hester

 Report Date:
 17 Jan 2024

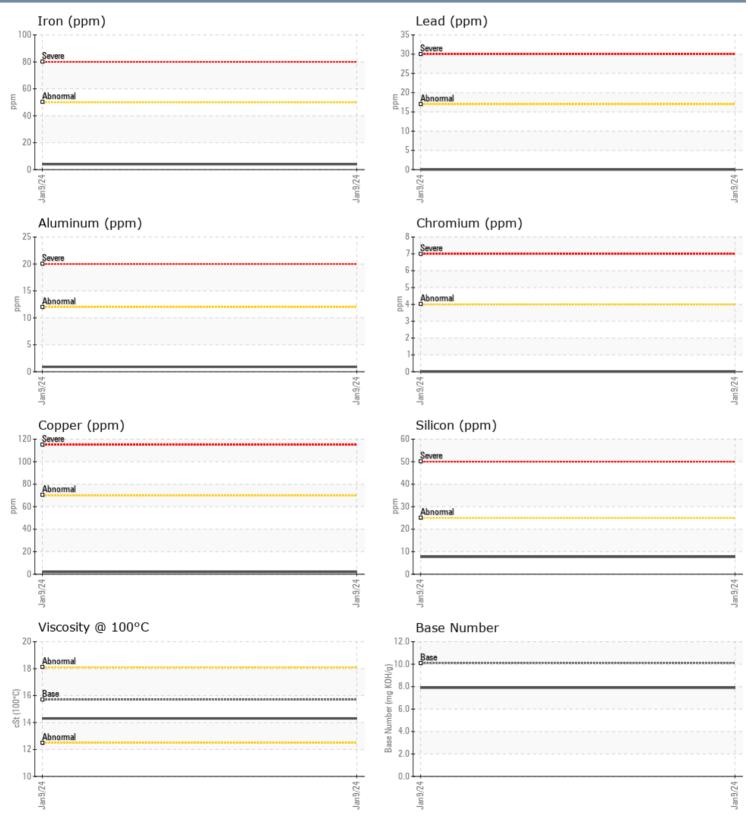
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Contact/Location: MARK LEWIS - VP154879

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP154879 [WUSCAR] 06060646 (Generated: 01/17/2024 11:18:57) Rev: 1

Contact/Location: MARK LEWIS - VP154879