## **OIL ANALYSIS REPORT**

### MORARIS WESTERBEKE 112306-E508 - GENSET

Sample No: VPA058137

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMAT				
Sample Number		VPA058137	 	
Sample Date		14 Nov 2023	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		SEVERE	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.7	 	
Base Number (BN)	mg KOH/g	8.3	 	
Oxidation (PA)	%	61	 	
CONTAMINATION				
	0/			
Water	%	NEG	 	
Soot %	%	0.4	 	
Nitration (PA)	%	71	 	
Sulfation (PA)	%	50 NEG	 	
Glycol Fuel	%	<1.0		
Silicon		<1.0 ■10	 	
Sodium	ppm ppm	<b>1</b> 6	 	
Potassium	ppm	2	 	
	ppm			
WEAR METALS				
Iron	ppm	<b>5</b> 5	 	
Copper	ppm	2	 	
Lead	ppm	<b>■</b> <1	 	
Tin	ppm		 	
Aluminum	ppm	<b>5</b> 6	 	
Chromium	ppm	<b>•</b> 17	 	
Molybdenum	ppm	12	 	
Nickel	ppm	□ <1	 	
Titanium	ppm	<b></b> <1	 	
Silver	ppm	0	 	
Manganese	ppm	∎1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	<b>1502</b>	 	
Magnesium	ppm	<b>733</b>	 	
Zinc	ppm	1407	 	
Phosphorus	ppm	<b>1089</b>	 	
Barium	ppm	0	 	
Boron	ppm	<b>1</b> 3		

VOLVO Penta

**BAY MARINE** 

3 E MADISON ST WAUKEGAN, IL US 60085 Contact: BRENDAN COWHEY brendan@baymarine.net T: (847)336-2628 F:

#### Diagnosis

We advise that you perform a compression test. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.Piston, ring and cylinder wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP1174336

 Unique No:
 10741849

 Signed:
 Doug Bogart

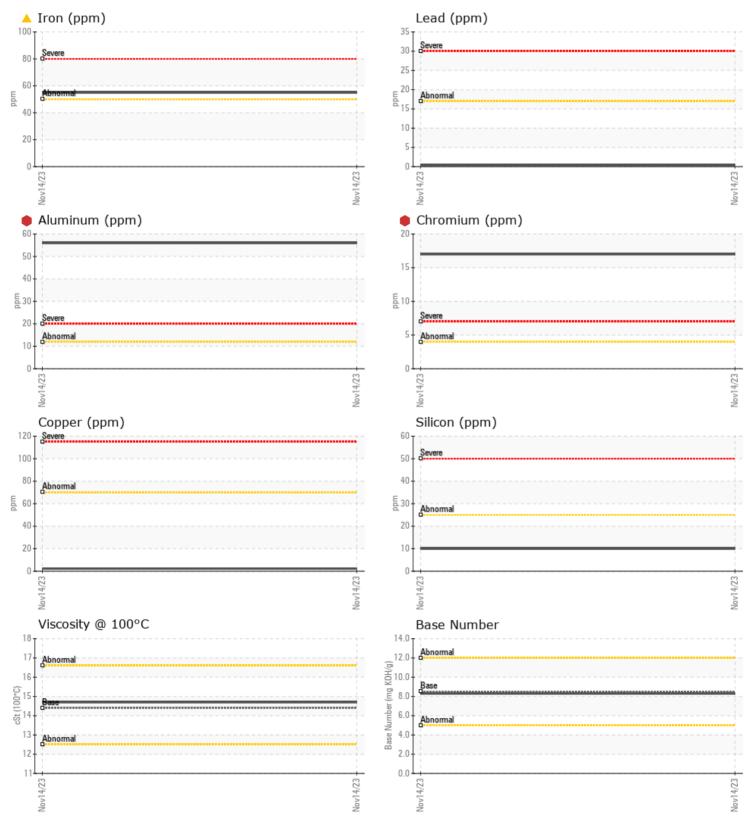
 Report Date:
 29 Nov 2023

Contact/Location: BRENDAN COWHEY - VP1174336

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP1174336 [WUSCAR] 06008087 (Generated: 11/30/2023 00:53:16) Rev: 1

Contact/Location: BRENDAN COWHEY - VP1174336