## **OIL ANALYSIS REPORT**

### ONAN H170221108 - GENSET

Sample No: VPA059477

Oil Type: DIESEL ENGINE OIL SAE 15W40

Sample Number		VPA059477	 	
Sample Date		13 Dec 2023	 	
Machine Hours		1347	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		ABNORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	<b>11.3</b>	 	
Base Number (BN)	mg KOH/g	<b>10.8</b>	 	
Oxidation (PA)	%	35	 	
CONTAMINATION				
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	51	 	
Sulfation (PA)	%	43	 	
Glycol	%	NEG	 	
Fuel	%	<b>5.4</b>	 	
Silicon	ppm	13	 	
Sodium	ppm	<b>□</b> <1	 	
Potassium	ppm	<b>  </b> <1	 	
WEAR METALS				
WEAR METALS				
Iron	ppm	<b>12</b>	 	
Copper	ppm	0	 	
Lead	ppm	0	 	
Tin	ppm	<b>■</b> <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	∎1	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	3994	 	
Magnesium	ppm	<b>6</b> 9	 	
Zinc	ppm	964	 	
200C	ppm	827	 	
Phosphorus Barium	ppm	0	 	

**SUNCOAST DIESEL MARINE** 6341 PORTER ROAD, SUITE 6

SARASOTA, FL US 34240 Contact: SERVICE MANAGER info@suncoastdmi.com T: (941)342-0033 F:

#### Diagnosis

We advise that you check the fuel injection system. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

 Depot:
 VP705283

 Unique No:
 10802518

 Signed:
 Jonathan Hester

 Report Date:
 26 Dec 2023

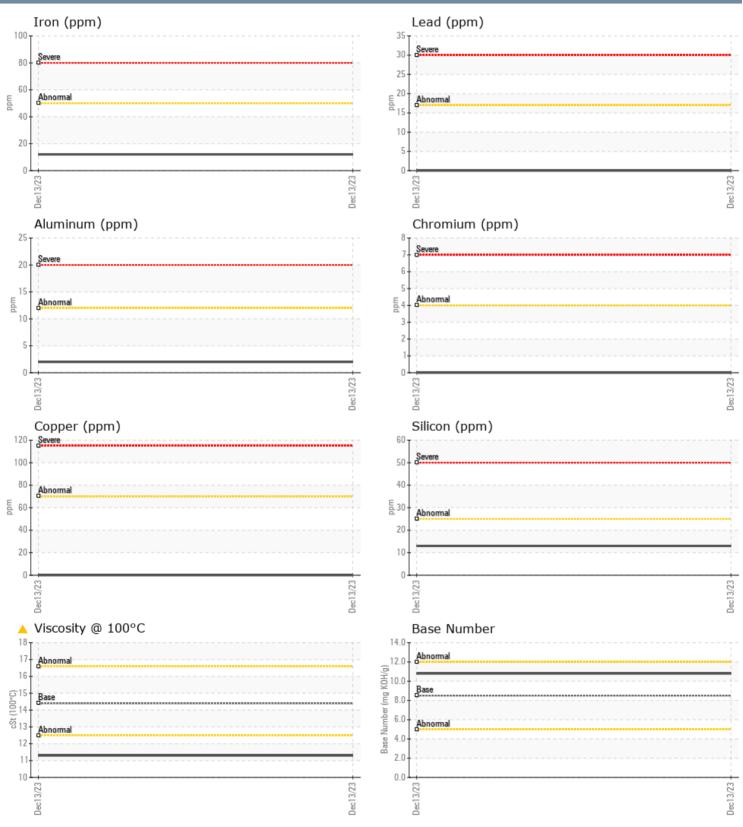
Contact/Location: SERVICE MANAGER - VP705283



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP705283 [WUSCAR] 06041910 (Generated: 12/26/2023 18:04:57) Rev: 1

Contact/Location: SERVICE MANAGER - VP705283