## **OIL ANALYSIS REPORT**

### ONAN 1180406923 - GENSET

Sample No: VPA059408

**Oil Type: DIESEL ENGINE OIL SAE 15W40** 

SAMPLE INFORMAT				
Sample Number		VPA059408	VPA040296	 
Sample Date		09 Jul 2024	05 Nov 2021	 
Machine Hours		1623	847	 
Oil Hours		0	0	 
Oil Changed		N/A	Not Changd	 
Sample Status		NORMAL	ATTENTION	 
OIL CONDITION				
Visc @ 100°C	cSt	12.5	0.6	 
Base Number (BN)	mg KOH/g	7.4		 
Oxidation (PA)	%	55	50	 
CONTAMINATION				
Water	%	NEG	NEG	 
Soot %	%	0.2	0.2	 
Nitration (PA)	%	49	47	 
Sulfation (PA)	%	55	51	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	1.4	 
Silicon	ppm	<b>11</b>	10	 
Sodium	ppm	<b>1</b>	1	 
Potassium	ppm	3	1	 
WEAR METALS				
Iron	ppm	<b>1</b> 0	7	 
Copper	ppm	3	1	 
Lead	ppm	<b>  </b> <1	<1	 
Tin	ppm	<b>  </b> <1	<b></b> <1	 
Aluminum	ppm	2	2	 
Chromium	ppm	<b>  </b> <1	□ <1	 
Molybdenum	ppm	96	99	 
Nickel	ppm	<b>□</b> <1	<b></b> <1	 
Titanium	ppm	2	<b></b> <1	 
Silver	ppm	<b></b> <1	0	 
Manganese	ppm	■ <1	□ <1	 
Vanadium	ppm	<1	<1	 
ADDITIVES				
Calcium	ppm	<b>1394</b>	1375	 
Magnesium	ppm	<b>419</b>	586	 
Zinc	ppm	<b>1103</b>	842	 
Phosphorus	ppm	769	715	 
Barium	ppm	<b>1</b>	0	 
Boron	ppm	383	251	 

VP705283 Unique No: 11116245

Depot:

Signed:

Report Date:

Doug Bogart 10 Jul 2024 Contact/Location: SERVICE MANAGER - VP705283

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6 SARASOTA, FL US 34240 Contact: SERVICE MANAGER info@suncoastdmi.com T: (941)342-0033 F:

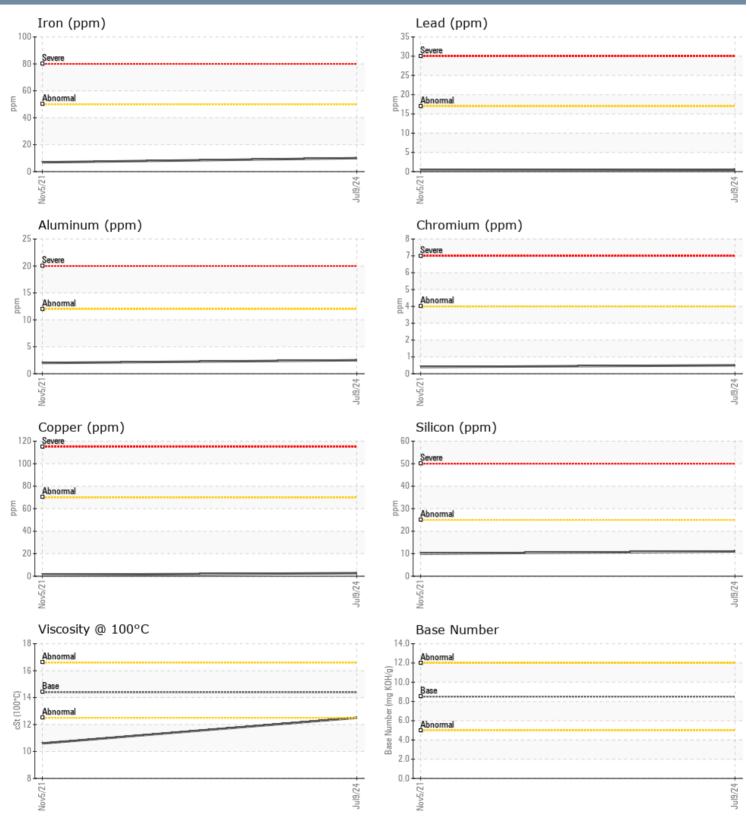
#### Diagnosis

No corrective action is recommended at this time. 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 condition of the oil is acceptable for the time in service.

# **OIL ANALYSIS REPORT**



#### GRAPHS



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Contact/Location: SERVICE MANAGER - VP705283