OIL ANALYSIS REPORT

VALA RAD KOHLER 2022076 - GENSET

 Sample No:
 VPA062015

 Oil Type:
 SAE 30W

SAMPLE INFORMATION

2 Unit FE INI OVINIT HOM					
Sample Number		VPA062015			
Sample Date		06 May 2024			
Machine Hours		15			
Oil Hours		5			
Oil Changed		Not Changd			
Sample Status		SEVERE			
OIL CONDITION					
Visc @ 100°C	cSt	8.8			
Base Number (BN)	mg KOH/g	8.1			
Oxidation (PA)	%	35			
CONTRACTION					
CONTAMINATION					
Water	%	NEG			
Soot %	%	0			
Nitration (PA)	%	57			
Sulfation (PA)	%	43			
Glycol	%	NEG			
Fuel	%	12.5			
Silicon	ppm	32			
Sodium	ppm	1 9			
Potassium	ppm	4			
WEAR METALS					
Iron	ppm	22			
Copper	ppm	34			
Lead	ppm	2			
Tin	ppm	□<1			
Aluminum	ppm	5			
Chromium	ppm	□ <1			
Molybdenum	ppm	6			
Nickel	ppm	■ <1			
Titanium	ppm	 <1			
Silver	ppm	0			
Manganese	ppm	□ <1			
Vanadium	ppm	<1			
ADDITIVES					
Calcium	ppm	1910			
Magnesium	ppm	11			
Zinc	ppm	1181			
Phosphorus	ppm	970			
Barium	ppm	8			
Boron	ppm	9			
	I= 10	-			

 Depot:
 VP152133

 Unique No:
 11022478

 Signed:
 Jonathan Hester

 Report Date:
 16 May 2024

Contact/Location: Mitchell Cogswell - VP152133

Report Id: VP152133 [WUSCAR] 06176425 (Generated: 05/16/2024 16:55:44) Rev: 1

Cogswell Marine & Motorsports, Inc 865 Stella Street CHULA VISTA, CA US 91911 Contact: Mitchell Cogswell Cogswellmarinemotorsports@gmail.com T: F:

Diagnosis

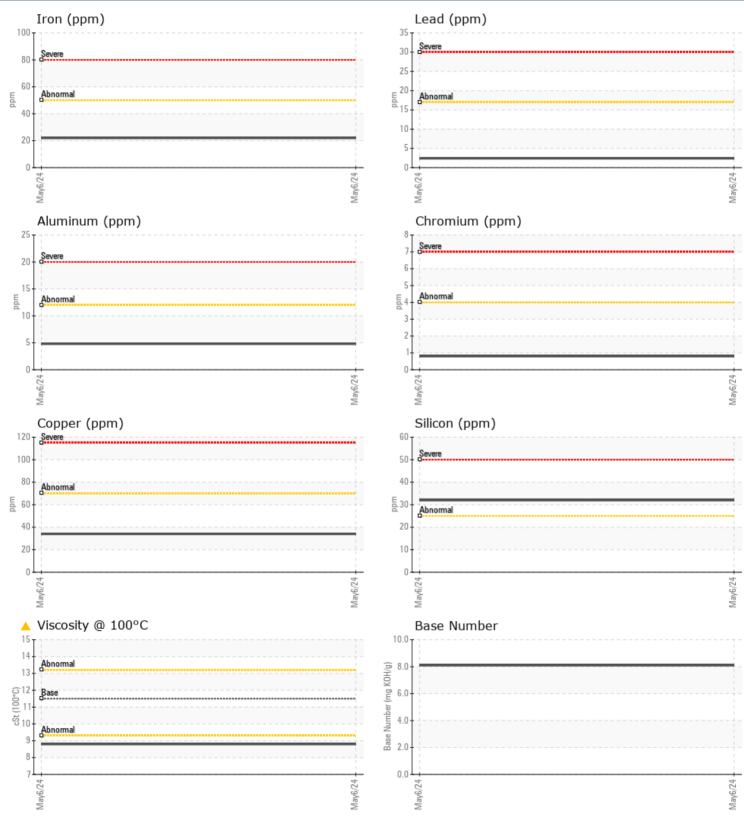
We suspect abnormal metal contamination may be due to sampling method. We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Moderate concentration of visible metal present. All component wear rates are normal. There is a high 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. The oil is no longer serviceable due to the presence of contaminants.



OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: Mitchell Cogswell - VP152133