OIL ANALYSIS REPORT

NOT GIVEN VPA056628 (S/N NO INFO ON SIF/BOTTLE) - GENSET

Sample No:VPA056628Oil Type:NOT GIVEN

SAMPLE INFORMATION

Sample Number		VPA056628	 	
Sample Date		09 Oct 2023	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		SEVERE	 	
OIL CONDITION				
Visc @ 100°C	cSt	12.8	 	
Base Number (BN)	mg KOH/g	■7.1	 	
Oxidation (PA)	%	69	 	
CONTAMINATION				
Soot %	%	0.3	 	
Nitration (PA)	%	48	 	
Sulfation (PA)	%	79	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<mark>/</mark> 29	 	
Sodium	ppm	6	 	
Potassium	ppm	■4	 	

WEAR METALS

Iron	ppm	• 1074	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	7	 	
Tin	ppm	■<1	 	
Aluminum	ppm	60	 	
Chromium	ppm	🛑 13	 	
Molybdenum	ppm	136	 	
Nickel	ppm	6 5	 	
Titanium	ppm	2	 	
Silver	ppm	0	 	
Manganese	ppm	6	 	
Vanadium	ppm	<1	 	

ADDITIVES

Calcium	ppm	1767	 	
Magnesium	ppm	642	 	
Zinc	ppm	736	 	
Phosphorus	ppm	2636	 	
Barium	ppm	2	 	
Boron	ppm	208	 	

ALL SYSTEMS MARINE

700 MYRICK ST PENSACOLA, FL US 32505 Contact: TRISTAN JOHNSON allsystemsmarine@yahoo.com T: (228)218-7963 F:

Diagnosis

We recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The copper level is abnormal. Piston, ring and cylinder wear is indicated. Valve wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:	VP99220003
Unique No:	10688762
Signed:	Jonathan Hester
Report Date:	16 Oct 2023

Report Id: VP99220003 [WUSCAR] 05976812 (Generated: 10/19/2023 10:33:50) Rev: 1

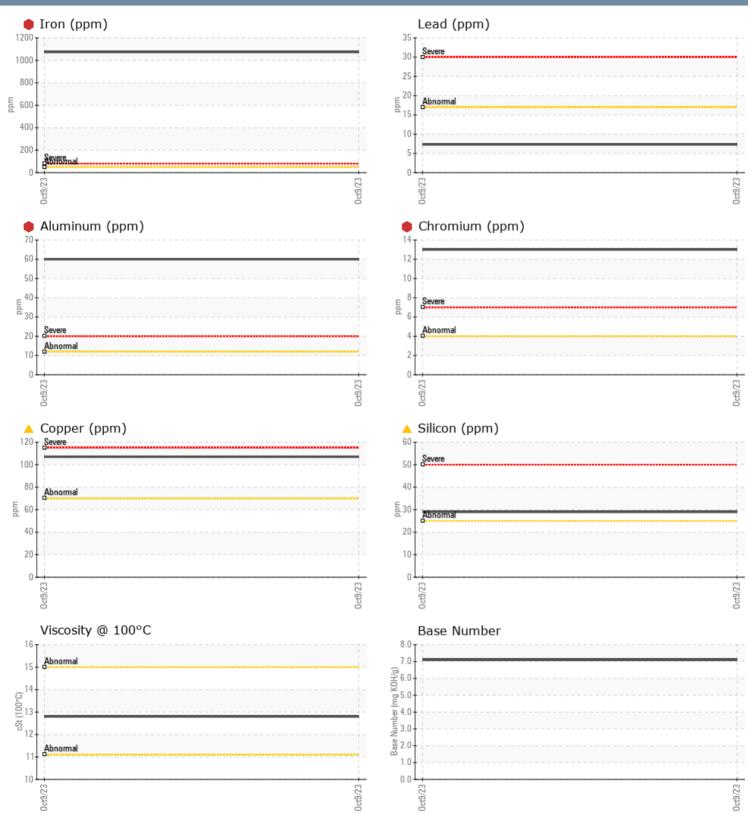
Contact/Location: TRISTAN JOHNSON - VP99220003



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP99220003 [WUSCAR] 05976812 (Generated: 10/19/2023 10:33:52) Rev: 1

Contact/Location: TRISTAN JOHNSON - VP99220003