## **OIL ANALYSIS REPORT**

### KOHLER SGM32GHV2 - GENSET

Sample No: VPA056191

Oil Type: DIESEL ENGINE OIL SAE 15W40

Sample Number		VPA056191	VPA035505		
Sample Date		27 Jul 2023	26 Aug 2020		
Machine Hours		487	344		
Oil Hours		0	0		
Oil Changed		N/A	Not Changd		
Sample Status		NORMAL	NORMAL		
Sumple Status			HORINI (E	_	_
OIL CONDITION					
Visc @ 100°C	cSt	<b>14.5</b>	14.00		
Base Number (BN)	mg KOH/g	9.1			
Oxidation (PA)	%	55	69		
CONTAMINATION					
Soot %	%	0.1	0.1		
Nitration (PA)	%	48	53		
Sulfation (PA)	%	49	56		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon	ppm	20	47		
Sodium	ppm	2	4		
Potassium	ppm	 <b>_</b> <1	4		
WEAR METALS					
Iron	ppm	5	7		
Copper	ppm	<b>1</b>	2		
Lead	ppm	■<1	2		
Tin	ppm	0	0		
Aluminum	ppm		2		
Chromium	ppm	■ <1	1		
Molybdenum	ppm	<b>4</b> 1	51		
Nickel	ppm	0	0		
Titanium	ppm	0	<b></b> <1		
Silver	ppm	0	<1		
Manganese	ppm	 <b></b> <1	1		
Vanadium	ppm	<1	0		
ADDITIVES					
Calcium	ppm	<b>1103</b>	943		
Magnesium	ppm	929	822		
Zinc	ppm	<b>1177</b>	991		
Phosphorus	ppm	950	808		
Barium	ppm	0	0		
Boron	ppm	23	2		



SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6 SARASOTA, FL US 34240 Contact: JOSHUA joshua@suncoastdmi.com T: (941)342-0033 F: (941)342-0088

#### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP705283

 Unique No:
 10579807

 Signed:
 Doug Bogart

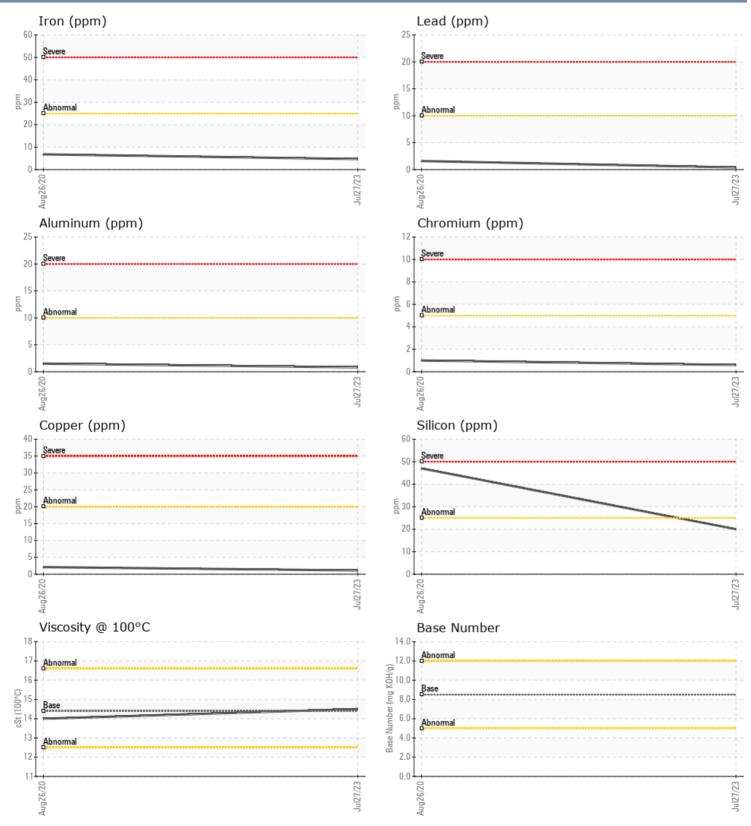
 Report Date:
 03 Aug 2023

Contact/Location: JOSHUA ? - VP705283

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#### GRAPHS



Report Id: VP705283 [WUSCAR] 05913155 (Generated: 08/03/2023 13:01:03) Rev: 1

Contact/Location: JOSHUA ? - VP705283