## **OIL ANALYSIS REPORT**

### PARKER 4311 KOHLER SGM32MGZ - GENSET

Sample No: VPA059171

Oil Type: DIESEL ENGINE OIL SAE 30

Sample Number		VPA059171	 	
Sample Date		19 Feb 2024	 	
Machine Hours		777	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	<b>12.0</b>	 	
Base Number (BN)	mg KOH/g	8.5	 	
Oxidation (PA)	%	62	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	56	 	
Sulfation (PA)	%	51	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	24	 	
Sodium	ppm	57	 	
Potassium	ppm	3	 	
WEAR METALS				
Iron	ppm	22	 	
Copper	ppm	2	 	
Lead	ppm	<b>1</b>	 	
Tin	ppm	<b>1</b>	 	
Aluminum	ppm	6	 	
Chromium	ppm	<b>1</b> 7	 	
Molybdenum	ppm	62	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b>■</b> <1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	<b>1147</b>	 	
Magnesium	ppm	<b>1007</b>	 	
Zinc	ppm	<b>1294</b>	 	
Phosphorus	ppm	992	 	
Barium Boron	ppm	0	 	
	ppm	6	 	



Jas Marine Service Inc 3131 SW 2Nd Ave. FORT LAUDERDALE, FL US 33315 Contact: JASON TOLEDO jason@jasmarine.com T: (954)462-1112

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The chromium level is abnormal. All other metal levels are typical for a new component breaking in. 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 suitable for further service.

 Depot:
 VP426065

 Unique No:
 10888229

 Signed:
 Jonathan Hester

 Report Date:
 26 Feb 2024

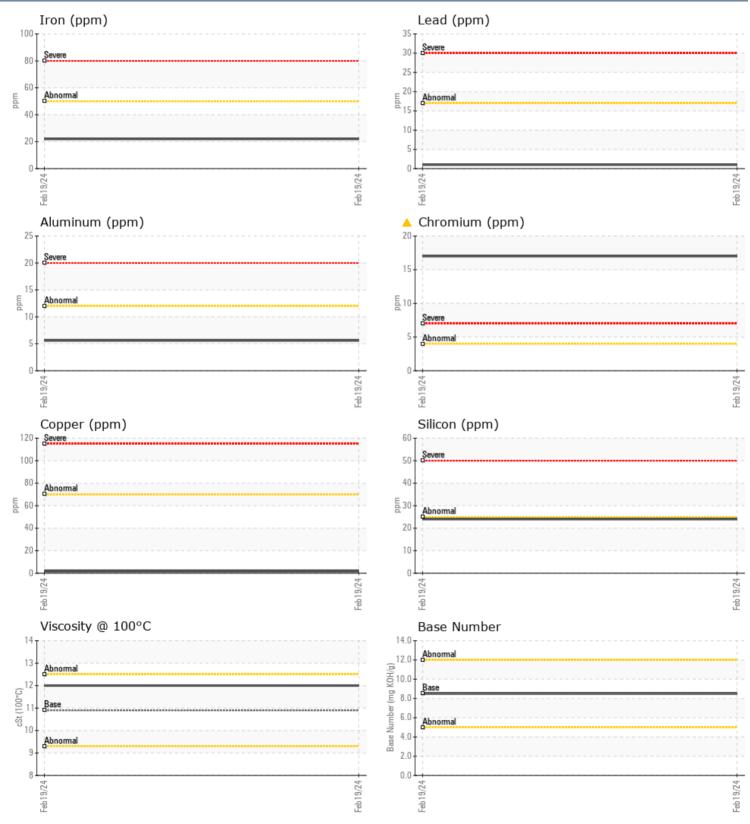
Report Id: VP426065 [WUSCAR] 06095376 (Generated: 02/26/2024 08:56:26) Rev: 1

Contact/Location: JASON TOLEDO - VP426065

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP426065 [WUSCAR] 06095376 (Generated: 02/26/2024 08:56:28) Rev: 1

Contact/Location: JASON TOLEDO - VP426065