## **OIL ANALYSIS REPORT**



### KOHLER 2009435 - STARBOARD GENSET

Sample No: VPA060914

Oil Type: DIESEL ENGINE OIL SAE 15W40

Sample Number		VPA060914	 	
		15 Mar 2024	 	
Sample Date Machine Hours		13 Mar 2024	 	
Oil Hours		50	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
Sample Status		NORMAL		
OIL CONDITION				
Visc @ 100°C	cSt	<b>14.3</b>	 	
Base Number (BN)	mg KOH/g	8.3	 	
Oxidation (PA)	%	70	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	57	 	
Sulfation (PA)	%	55	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	6	 	
Sodium	ppm	3	 	
Potassium	ppm	6	 	
WEAR METALS				
Iron	ppm	5	 	
Copper	ppm	<b>□</b> <1	 	
Lead	ppm	□<1	 	
Tin	ppm	□ <1	 	
Aluminum	ppm	2	 	
Chromium	ppm		 	
Molybdenum	ppm	3	 	
Nickel	ppm	<1	 	
Titanium	ppm	∎1	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	2181	 	
Magnesium	ppm	58	 	
Zinc	ppm	1182	 	
Phosphorus	ppm	968	 	
Barium	ppm	0	 	
Boron	ppm	200	 	

CAROLINA MARINE DIESEL

PO BOX 24159 HILTON HEAD, SC US 29925 Contact: KEVIN JACKSON cmdieselsc@gmail.com T: (843)830-9202 F: (843)681-9976

#### Diagnosis

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.

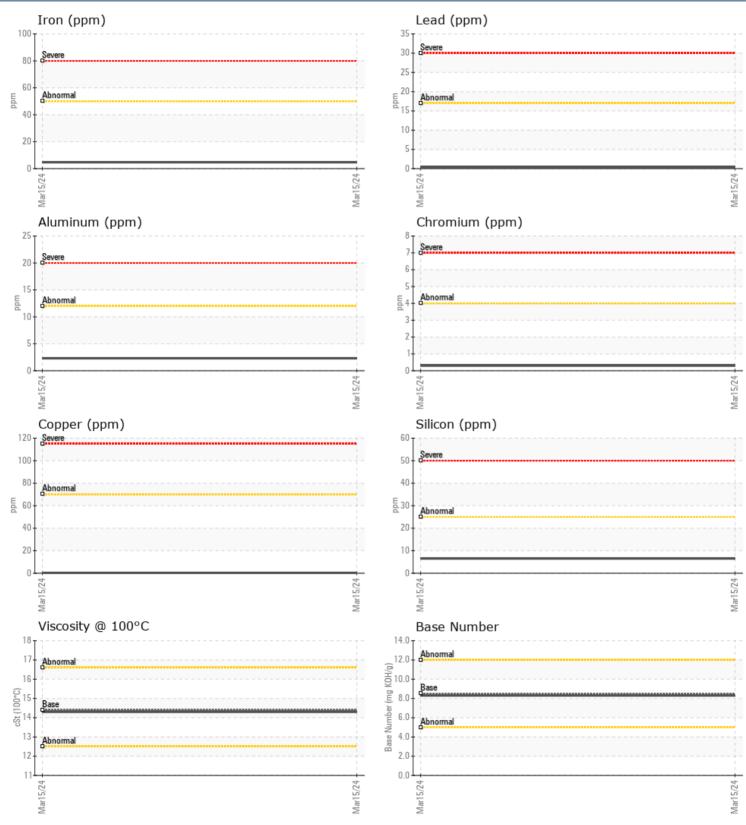
Depot:CARHILSCUnique No:10930184Signed:Don BaldridgeReport Date:20 Mar 2024

Contact/Location: KEVIN JACKSON - CARHILSC

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#### GRAPHS



Report Id: CARHILSC [WUSCAR] 06121351 (Generated: 03/21/2024 16:28:47) Rev: 1

Contact/Location: KEVIN JACKSON - CARHILSC