## **OIL ANALYSIS REPORT**

## FRAISER YACHT SALES 502972 KOHLER SGM32J7R3 - PORT GENSET

Sample No: VPA062854

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Sample Number		VPA062854	 	
Sample Date		09 Apr 2024	 	
Machine Hours		532	 	
Oil Hours		75	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.1	 	
Base Number (BN)	mg KOH/g	9.0	 	
Oxidation (PA)	%	66	 	
	70			
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	<b>0.1</b>	 	
Nitration (PA)	%	48	 	
Sulfation (PA)	%	62	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	6	 	
Sodium	ppm	<b>  </b> <1	 	
Potassium	ppm	<b>  </b> <1	 	
WEAR METALS				
Iron	ppm	<b>4</b>	 	
Copper	ppm	0	 	
Lead	ppm	0	 	
Tin	ppm	<b>  </b> <1	 	
Aluminum	ppm	3	 	
Chromium	ppm	0	 	
Molybdenum	ppm	<b>118</b>	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	<b>  </b> <1	 	
Manganese	ppm	<b></b> <1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1618	 	
Magnesium	ppm	<b>640</b>	 	
Zinc	ppm	895	 	
Phosphorus	ppm	748	 	
Barium	ppm	<b>  </b> <1	 	
Boron	ppm	376	 	

#### Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com T: (206)784-3703 F: (206)784-8823

### 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:
 VP794951

 Unique No:
 10969661

 Signed:
 Don Baldridge

 Report Date:
 13 Apr 2024

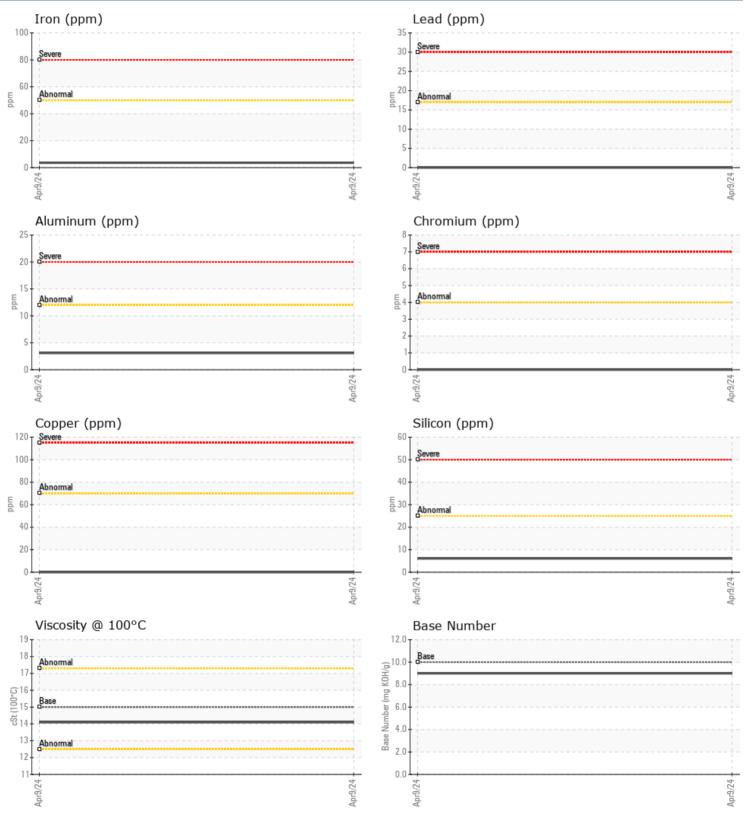
Contact/Location: WILLOW YANARELLA - VP794951



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#### GRAPHS



Report Id: VP794951 [WUSCAR] 06144853 (Generated: 04/16/2024 10:00:45) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951