OIL ANALYSIS REPORT

DON MEHRER 502993/5250 CUMMINS 46009042 - PORT DIESEL ENGINE

Sample No: VPA053013

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

SAMPLE INFURMA	IIUN			
Sample Number		VPA053013	 	
Sample Date		15 May 2024	 	
Machine Hours		1544	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		ABNORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.9	 	
Base Number (BN)	mg KOH/g	6.9	 	
Oxidation (PA)	%	73	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.3	 	
Nitration (PA)	%	87	 	
Sulfation (PA)	%	58	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	3	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	 109	 	
Copper	ppm	6	 	
Lead	ppm	2	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	5	 	
Chromium	ppm	∎1	 	
Molybdenum	ppm	36	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	■ <1	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1466	 	
Magnesium	ppm	615	 	
Zinc	ppm	1043	 	
Phosphorus	ppm	870	 	

Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com

: (206)784-3703 : (206)784-8823

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.Cylinder, crank, or cam shaft wear is indicated. 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:
 11034922

 Signed:
 Sean Felton

 Report Date:
 21 May 2024

ppm

ppm

2

252

Barium

Boron

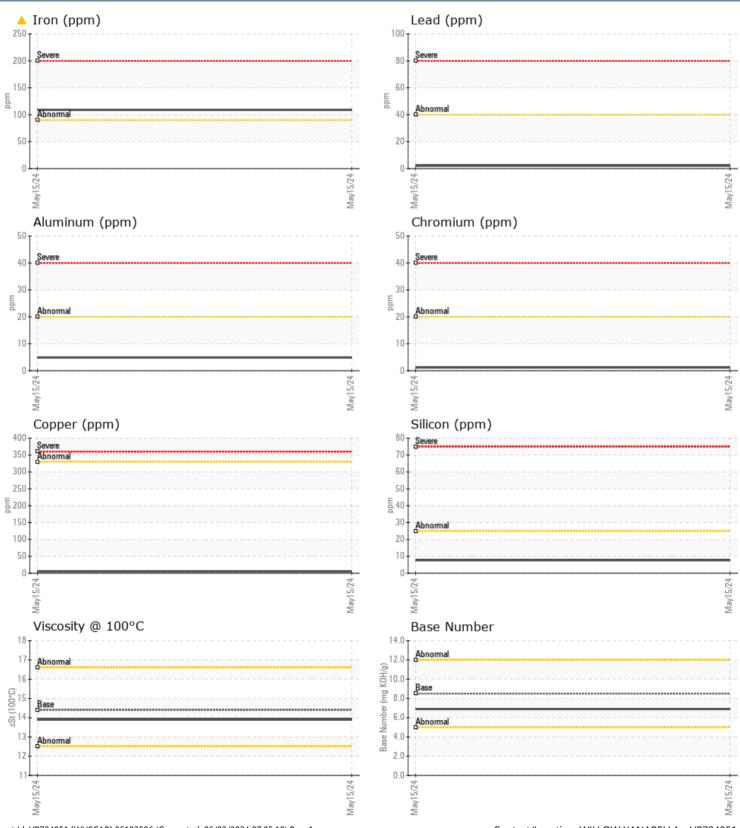
Contact/Location: WILLOW YANARELLA - VP794951



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP794951 [WUSCAR] 06183596 (Generated: 06/03/2024 07:05:18) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951