OIL ANALYSIS REPORT

BILL YATES 506053 ONAN/CUMMINS K140760711 - GENSET

Sample No: VPA048789

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

Sample Number		VPA048789	VPA031666	
Sample Date		15 Mar 2024	03 Nov 2020	
Machine Hours		250	209	
Oil Hours		50	114	
Oil Changed		Changed	Not Changd	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	∎13.1	13.2	
Base Number (BN)	mg KOH/g	10.1		
Oxidation (PA)	%	54	57	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	0.1	0.1	
Nitration (PA)	%	41	43	
Sulfation (PA)	%	50	52	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	8	13	
Sodium	ppm	2	4	
Potassium	ppm	2	□ <1	
WEAR METALS				
Iron	ppm	3	6	
Copper	ppm	3	3	
Lead	ppm	□ <1	0	
Tin	ppm	■ <1	□ <1	
Aluminum	ppm	2	0	
Chromium	ppm	■ <1	□ <1	
Molybdenum	ppm	54	60	
Nickel	ppm	□ <1	0	
Titanium	ppm	<1	2	
Silver	ppm	0	0	
Manganese	ppm	■ <1	□ <1	
Vanadium	ppm	<1	0	
ADDITIVES				
Calcium	ppm	1093	1069	
Magnesium	ppm	915	895	
Zinc	ppm	1206	1158	
Phosphorus	ppm	1065	1002	
Barium	ppm	0	2	
Boron	ppm	■<1	5	

Jefferson Beach Yacht Sales Inc

24400 Jefferson Ave. SAINT CLAIR SHORES, MI US 48080 Contact: DENNIS BUTT dbutt@jbys.com T: (866)490-5297 F:

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:
 VP297371

 Unique No:
 10937589

 Signed:
 Don Baldridge

 Report Date:
 22 Mar 2024

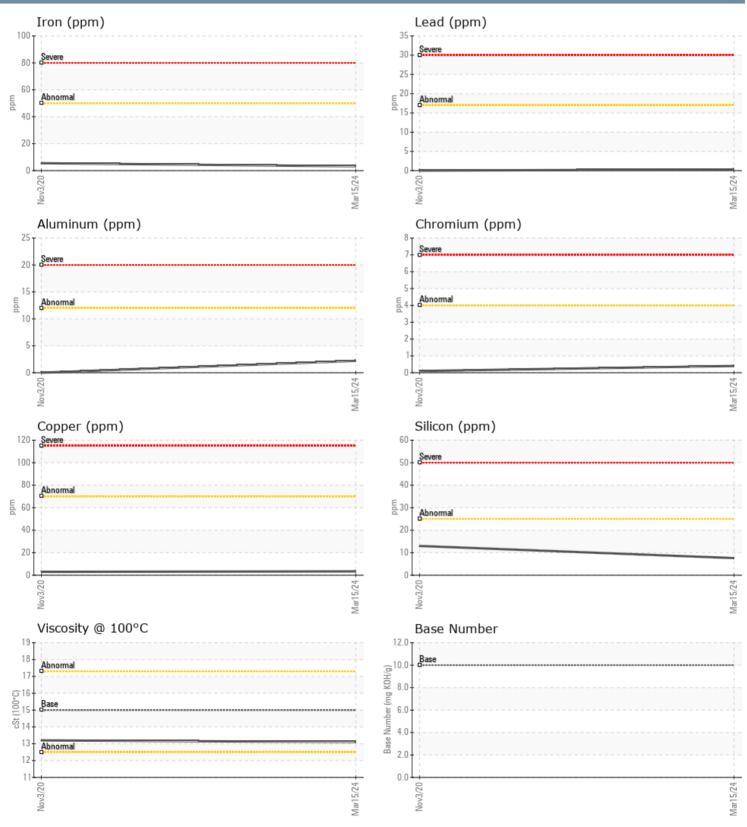
Contact/Location: DENNIS BUTT - VP297371



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GRAPHS



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