OIL ANALYSIS REPORT

BRANNON 585994 CUMMINS/ONAN L180460436 - GENSET

Sample No: VPA025261

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

Sample Number		VPA025261	VPA020987	
Sample Date		22 Apr 2024	30 Mar 2021	
Machine Hours		677	88	
Oil Hours		149	88	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	12.8	□13.2	
Base Number (BN)	mg KOH/g	9.5		
Oxidation (PA)	%	60	67	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	0.1	0.1	
Nitration (PA)	%	53	64	
Sulfation (PA)	%	54	55	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	5	□13	
Sodium	ppm	1	6	
Potassium	ppm	0	1	
WEAR METALS				
Iron	ppm	10	9	
Copper	ppm	 <1	8	
Lead	ppm	0	<1	
Tin	ppm	0	<1	
Aluminum	ppm	2	2	
Chromium	ppm	0	<1	
Molybdenum	ppm	73	42	
Nickel	ppm	0	0	
Titanium	ppm	0	<1	
Silver	ppm	0	0	
Manganese	ppm	0	2	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	ppm	1288	1941	
Magnesium	ppm	1000	557	
Zinc	ppm	1304	1149	
Phosphorus	ppm	1050	1012	
Barium	ppm		0	
Boron	ppm	51	60	
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Galati Yacht Sales LLC

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Diagnosis

No corrective action is recommended at this time. 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:
 VP648685

 Unique No:
 10995419

 Signed:
 Sean Felton

 Report Date:
 26 Apr 2024

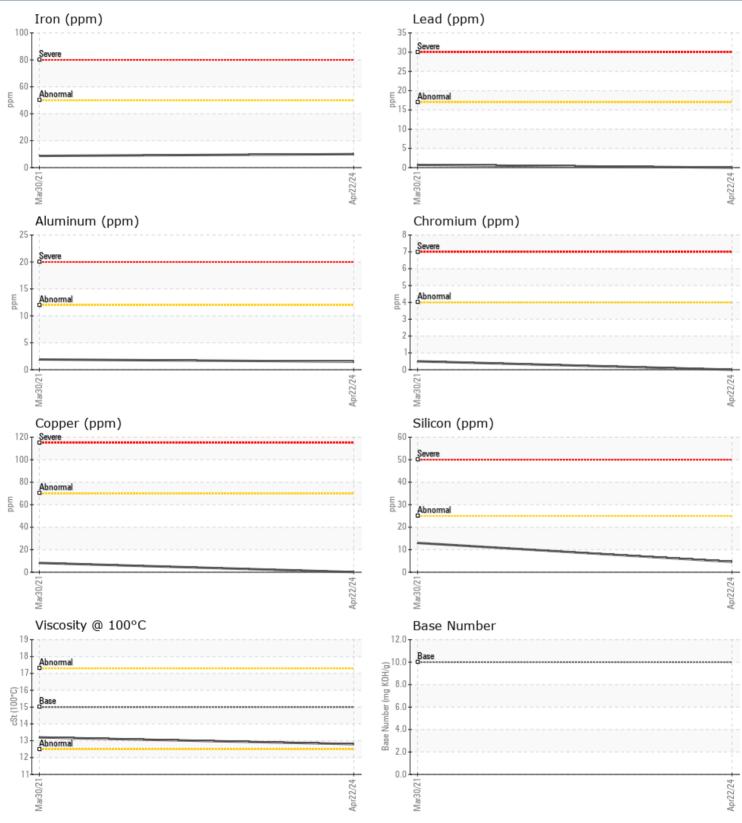
Contact/Location: SCOTT FORD - VP648685



OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: SCOTT FORD - VP648685