OIL ANALYSIS REPORT

ONAN E140667002 - GENSET

Sample No: VPA050978

Oil Type: DIESEL ENGINE OIL SAE 15W40

Sample Number		VPA050978	VPA039592	
Sample Date		01 Feb 2024	21 Nov 2022	
Machine Hours		1254	815	
Oil Hours		0	0	
Oil Changed		N/A	N/A	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	13.9	13.9	
Base Number (BN)	mg KOH/g	9.3	7.7	
Oxidation (PA)	%	56	69	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	0.2	0.1	
Nitration (PA)	%	51	53	
Sulfation (PA)	%	50	58	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	4	7	
Sodium	ppm		5	
Potassium	ppm	3	7	
WEAR METALS				
Iron	ppm	1 5	13	
Copper	ppm	4	<1	
Lead	ppm	0	□ <1	
Tin	ppm	0	□ <1	
Aluminum	ppm	3	1	
Chromium	ppm	1	 <1	
Molybdenum	ppm	50	3	
Nickel	ppm		0	
Titanium	ppm	■<1	0	
Silver	ppm	0	<1	
Manganese	ppm	0	 < 1	
Vanadium	ppm	<1	0	
ADDITIVES				
Calcium	ppm	1124	2193	
Magnesium	ppm	751	44	
Zinc	ppm	1109	1162	
Phosphorus	ppm	953	977	
Barium	ppm	0	0	
Boron	ppm	24	189	

VOLVO PENTA

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6 SARASOTA, FL US 34240 Contact: SERVICE MANAGER info@suncoastdmi.com T: (941)342-0033 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 suitable for further service.

 Depot:
 VP705283

 Unique No:
 10874258

 Signed:
 Sean Felton

 Report Date:
 14 Feb 2024

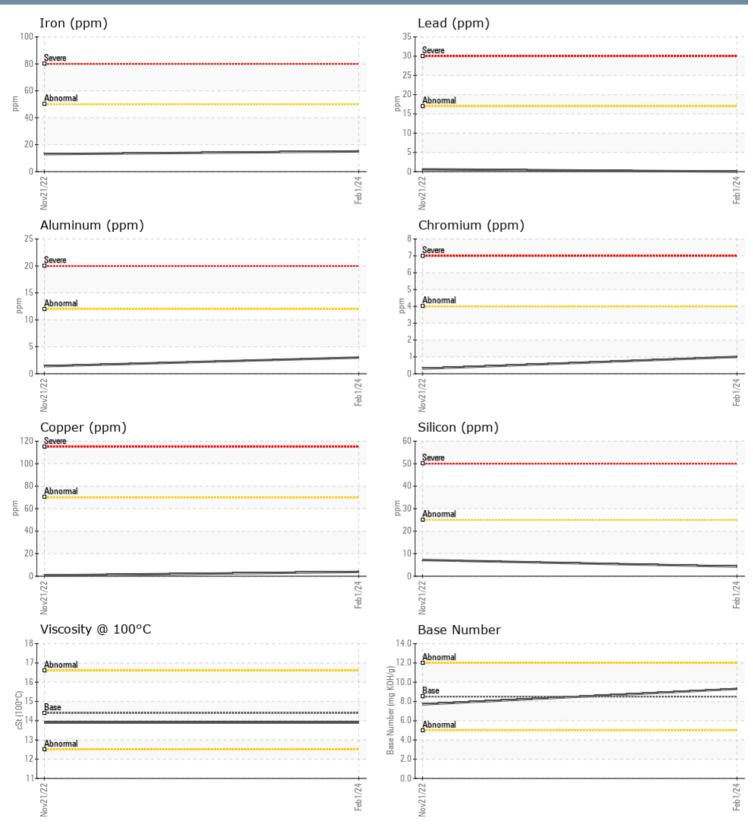
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Contact/Location: SERVICE MANAGER - VP705283

OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: SERVICE MANAGER - VP705283