OIL ANALYSIS REPORT

ONAN ONAN - VPA051029 (S/N NOT GIVEN) - GENSET

Sample No: VPA051029

Oil Type: VOLVO PENTA SAE 15W40

Sample Number		VPA051029	 	
Sample Date		12 Feb 2024	 	
Machine Hours		351	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.2	 	
Base Number (BN)	mg KOH/g	8.4	 	
Oxidation (PA)	%	60	 	
CONTAMINATION				
	<u>0</u> (
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	50	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	1 6	 	
Sodium	ppm	5	 	
Potassium	ppm	5	 	
WEAR METALS				
Iron	ppm	1 0	 	
Copper	ppm	4	 	
Lead	ppm		 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	□14	 	
Nickel	ppm	0	 	
Titanium	ppm	6	 	
Silver	ppm	0	 	
Manganese	ppm	□ <1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
		- 2050		
Calcium	ppm	2059 222	 	
Magnesium	ppm		 	
Zinc	ppm	1213	 	
Phosphorus	ppm	1002	 	
Barium Boron	ppm ppm	■2 ■151	 	

FULL KEEL MARINE SERVICES 314 LEGION AVE ANNAPOLIS, MD US 21401 Contact: Service Manager FULLKEELMARINESERIVES@GMAIL.COM T: (410)507-3542

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:
 VP1298996

 Unique No:
 10886294

 Signed:
 Doug Bogart

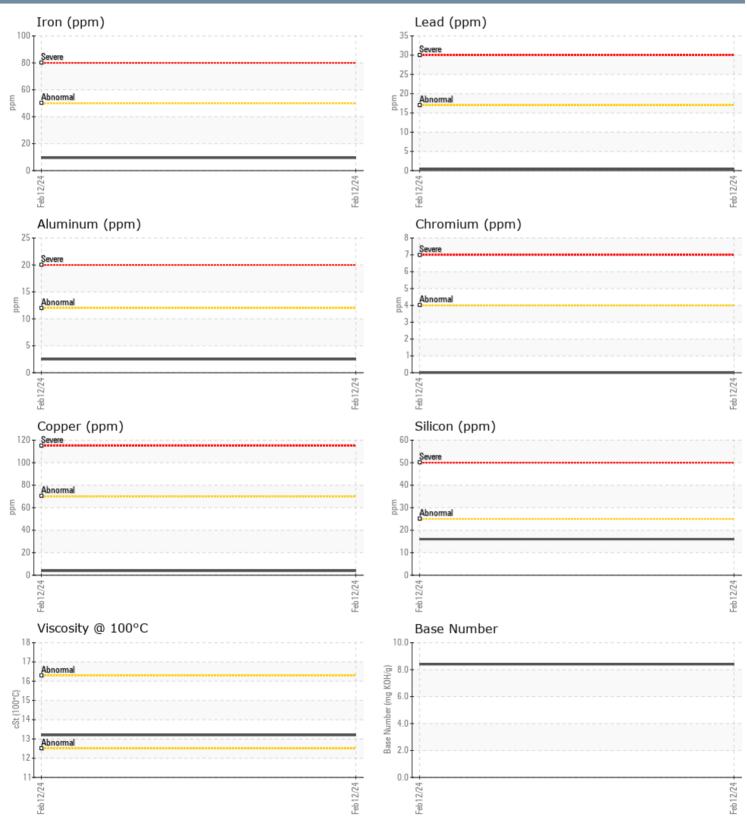
 Report Date:
 20 Feb 2024

Contact/Location: Service Manager - VP1298996

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP1298996 [WUSCAR] 06093441 (Generated: 02/20/2024 16:19:16) Rev: 1

Contact/Location: Service Manager - VP1298996