OIL ANALYSIS REPORT

ROBERT HEYWOOD 14785 NORTHERN LIGHTS K84942 - GENSET

Sample No: VPA049731

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number		VPA049731	 	
Sample Date		24 Oct 2023	 	
Machine Hours		2379	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.6	 	
Base Number (BN)		7.0	 	
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Oxidation (PA)	%	48	 	
CONTAMINATION				
C = = + 0(0/	=0.1		
Soot %	%	0.1	 	
Nitration (PA)	%	60	 	
Sulfation (PA)	%	45	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	7	 	
Sodium	ppm	□ <1	 	
Potassium	ppm	0	 	

WEAR METALS

Iron	ppm	0	 	
Copper	ppm	0	 	
Lead	ppm	0	 	
Tin	ppm		 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	81	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	□ <1	 	
Manganese	ppm	0	 	
Vanadium	ppm	<1	 	

ADDITIVES

Calcium	ppm	2075	 	
Magnesium	ppm	1 8	 	
Zinc	ppm	1200	 	
Phosphorus	ppm	1035	 	
Barium	ppm	0	 	
Boron	ppm	73	 	

PARTS & POWER

PO BOX 1305498, PMB1000-00 ST THOMAS, VI US 00803 Contact: KARIM PERSAUD info@partsandpower.com T: (284)494-2830 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:
 VP981217

 Unique No:
 10728028

 Signed:
 Don Baldridge

 Report Date:
 08 Nov 2023

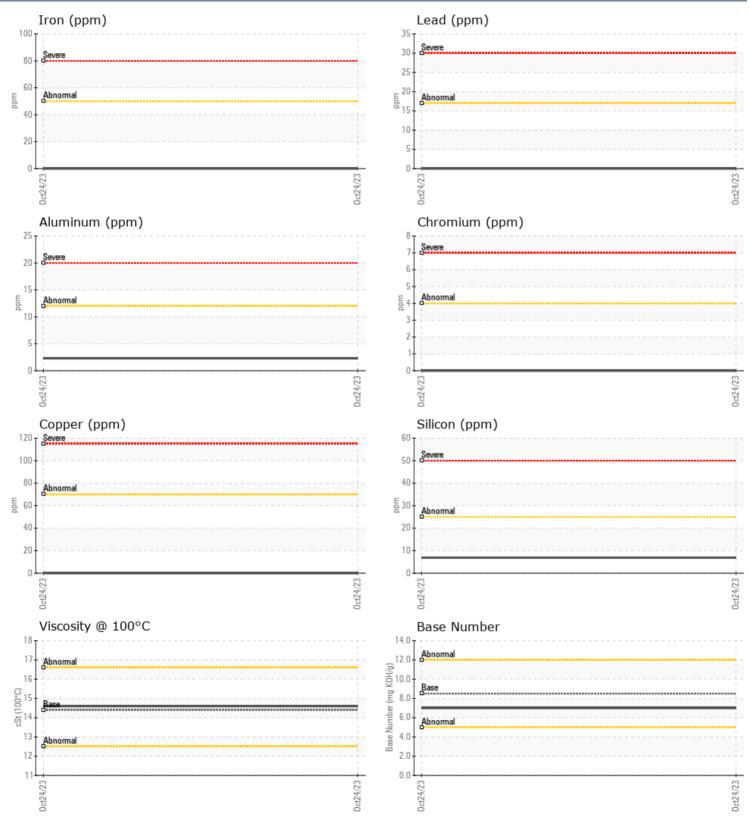
Contact/Location: KARIM PERSAUD - VP981217



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP981217 [WUSCAR] 05999668 (Generated: 11/08/2023 11:14:54) Rev: 1

Contact/Location: KARIM PERSAUD - VP981217