OIL ANALYSIS REPORT

FREE TRADE 255 CUMMINS/ONAN K180453944 - GENSET

Sample No: VPA062996

Oil Type: DIESEL ENGINE OIL SAE 15W40

Sample Number		VPA062996	VPA041428	
Sample Date		28 May 2024	15 Jun 2023	
Machine Hours		0	888	
Oil Hours		0	0	
Oil Changed		N/A	Not Changd	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	13.1	12.7	
Base Number (BN)	mg KOH/g	9.5	9.4	
Oxidation (PA)	%	54	49	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	0.1	0.1	
Nitration (PA)	%	42	45	
Sulfation (PA)	%	48	45	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	2	4	
Sodium	ppm	2	3	
Potassium	ppm	1	2	
WEAR METALS				
Iron	ppm	0	3	
Copper	ppm	0	<1	
Lead	ppm	0	0	
Tin	ppm	0	0	
Aluminum	ppm	2	 <1	
Chromium	ppm	 <1	0	
Molybdenum	ppm	58	62	
Nickel	ppm	0	0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	0	0	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	ppm	1051	1265	
Magnesium	ppm	932	1057	
Zinc	ppm	1246	1427	
Phosphorus	ppm	927	1141	
Barium	ppm	0	0	
Boron	ppm	3	0	

VOLVO PENTA

Marine International Diesels Inc. 3600 HACIENDA BLVD UNIT G DAVIE, FL US 33314 Contact: ASHANTI BURKE aburke@midiflorida.com T: (954)761-1086 F: (954)761-1186

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:
 VP694356

 Unique No:
 11099186

 Signed:
 Don Baldridge

 Report Date:
 27 Jun 2024

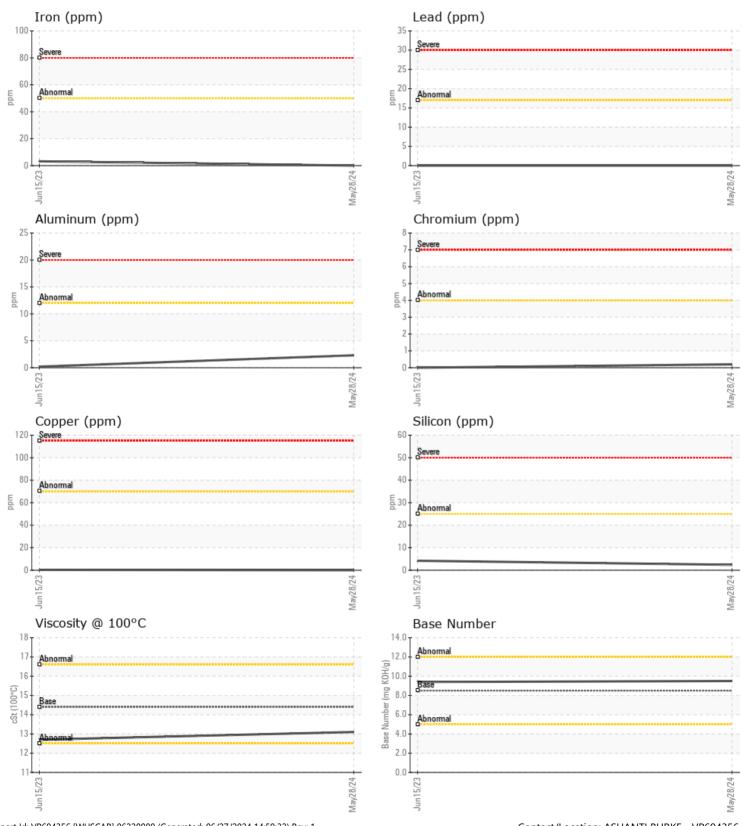
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Contact/Location: ASHANTI BURKE - VP694356

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GRAPHS



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Contact/Location: ASHANTI BURKE - VP694356