# **OIL ANALYSIS REPORT**



## ONAN/CUMMINS G100135417 - GENSET

Sample No: VPA053145

**Oil Type: DIESEL ENGINE OIL SAE 15W40** 

Sample Number		VPA053145	 	
Sample Date		01 May 2024	 	
Machine Hours		2054	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.1	 	
Base Number (BN)	mg KOH/g	8.6	 	
Oxidation (PA)	%	65	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	64	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	<b>4</b>	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	22	 	
Copper	ppm	2	 	
Lead	ppm	0	 	
Tin	ppm	2	 	
Aluminum	ppm	2	 	
Chromium	ppm	<b></b> <1	 	
Molybdenum	ppm	<b>40</b>	 	
Nickel	ppm	∎1	 	
Titanium	ppm	<b>  </b> <1	 	
Silver	ppm	0	 	
Manganese	ppm	<b>□</b> <1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	1756	 	
Magnesium	ppm	<b>460</b>	 	
Zinc	ppm	<b>1234</b>	 	
Phosphorus	ppm	988	 	
Barium	ppm	0	 	
Boron	ppm	51	 	

#### JOHNSTONS MARINE SERVICES

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### 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.

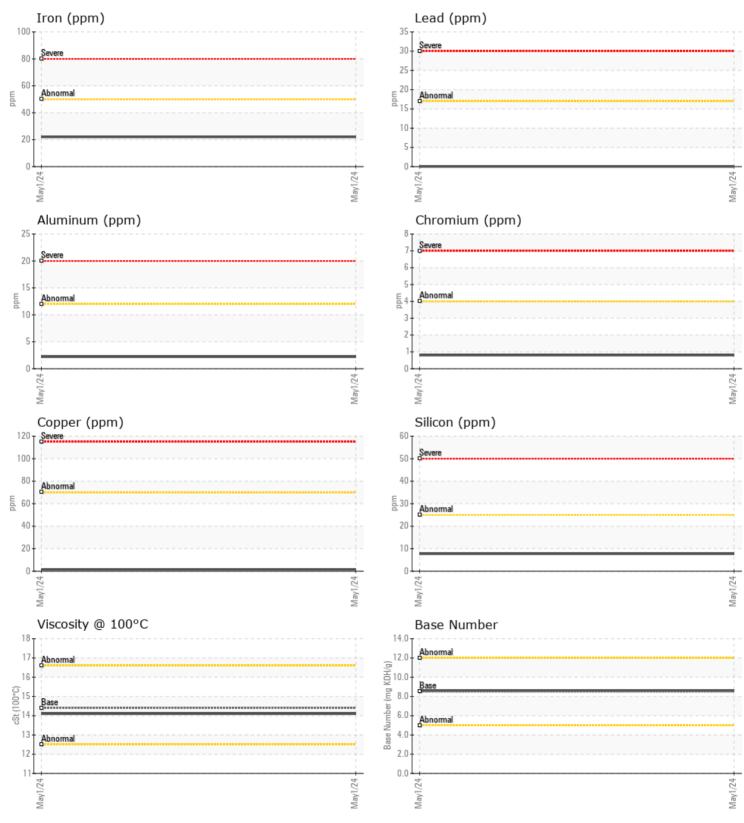
Depot: Unique No: Signed: Report Date:

VPJOHDEE 11008787 Jonathan Hester 07 May 2024 Contact/Location: NEIL JOHNSTON - VPJOHDEE

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### GRAPHS



Report Id: VPJOHDEE [WUSCAR] 06168068 (Generated: 05/07/2024 13:17:50) Rev: 1

Contact/Location: NEIL JOHNSTON - VPJOHDEE