## **OIL ANALYSIS REPORT**

### ONAN C200742912 - GENSET

Sample No: VPA053063

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

Sample Number		VPA053063	 	
Sample Date		24 Apr 2024	 	
Machine Hours		1248	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	<b>13.3</b>	 	
Base Number (BN)	mg KOH/g	7.3	 	
Oxidation (PA)	%	52	 	
CONTAMINATION				
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	60	 	
Sulfation (PA)	%	47	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	2	 	
Potassium	ppm	<b>1</b>	 	
WEAR METALS				
Iron	ppm	<b>■</b> 16	 	
Copper	ppm	<b>1</b>	 	
Lead	ppm	□<1	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	∎1	 	
Molybdenum	ppm	<b>■</b> 18	 	
Nickel	ppm	0	 	
Titanium	ppm	<b>□</b> <1	 	
Silver	ppm	<b>0</b>	 	
Manganese	ppm	<b>■</b> <1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	2152	 	
Magnesium	ppm	<b>197</b>	 	
Zinc	ppm	1308	 	
Phosphorus	ppm	1103	 	
Barium	ppm	0	 	
Boron	ppm	124		



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.

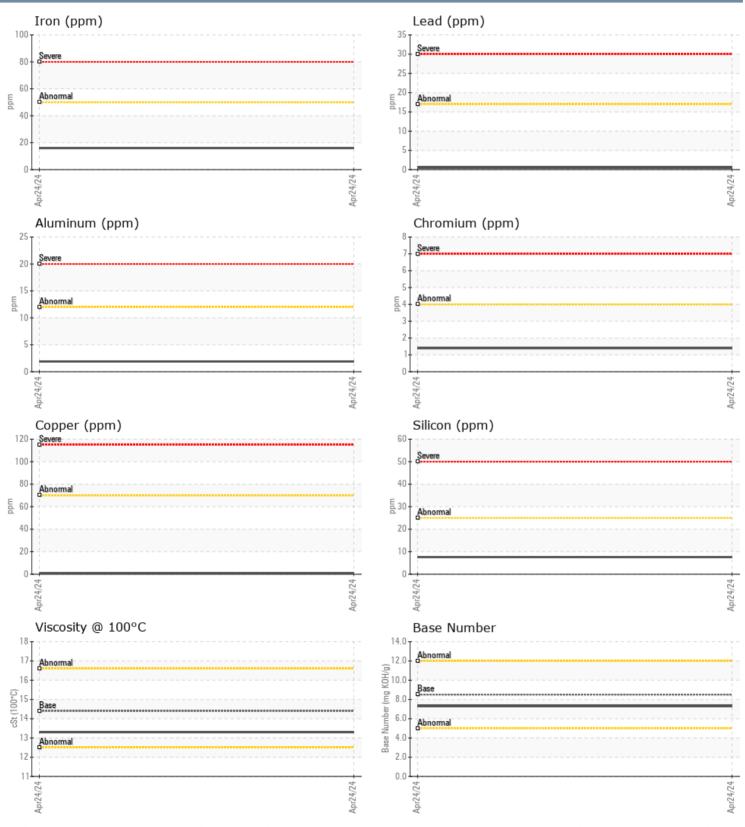
Depot: Unique No: Signed: Report Date:

VPJOHDEE 11002970 Jonathan Hester 02 May 2024 Contact/Location: NEIL JOHNSTON - VPJOHDEE

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#### GRAPHS



Report Id: VPJOHDEE [WUSCAR] 06162251 (Generated: 05/04/2024 01:06:45) Rev: 2

Contact/Location: NEIL JOHNSTON - VPJOHDEE