OIL ANALYSIS REPORT

HANDLEY KZ ONAN HANDLEY - INBOARD (S/N NOT GIVEN) - GENSET

14.4

7.9

43

Sample No: VPA058071

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATIONSample NumberVPA058071Sample Date25 Apr 2024Machine Hours0Oil Hours0Oil ChangedN/ASample StatusNORMALOIL CONDITION

Visc @ 100°CcStBase Number (BN)mg KOH/gOxidation (PA)%

CONTAMINATION Water %

Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	47	 	
Sulfation (PA)	%	43	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	1 0	 	
Sodium	ppm	2	 	
Potassium	ppm	 <1	 	

WEAR METALS

Iron	ppm	8	 	
Copper	ppm	 <1	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm	1	 	
Molybdenum	ppm	98	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

ADDITIVES Calcium ppm

Magnesium ppm 15	
Zinc ppm 1189	
Phosphorus ppm 1022	
Barium ppm □<1	
Boron ppm 28	



Walstrom Marine - 767948 501 Bay Street

HARBOR SPRINGS, MI US 49740 Contact: RICK HEINY rheiny@walstrom.com T: 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:
 VP154879

 Unique No:
 11006040

 Signed:
 Don Baldridge

 Report Date:
 03 May 2024

Report Id: VP154879 [WUSCAR] 06165321 (Generated: 05/03/2024 15:17:17) Rev: 1

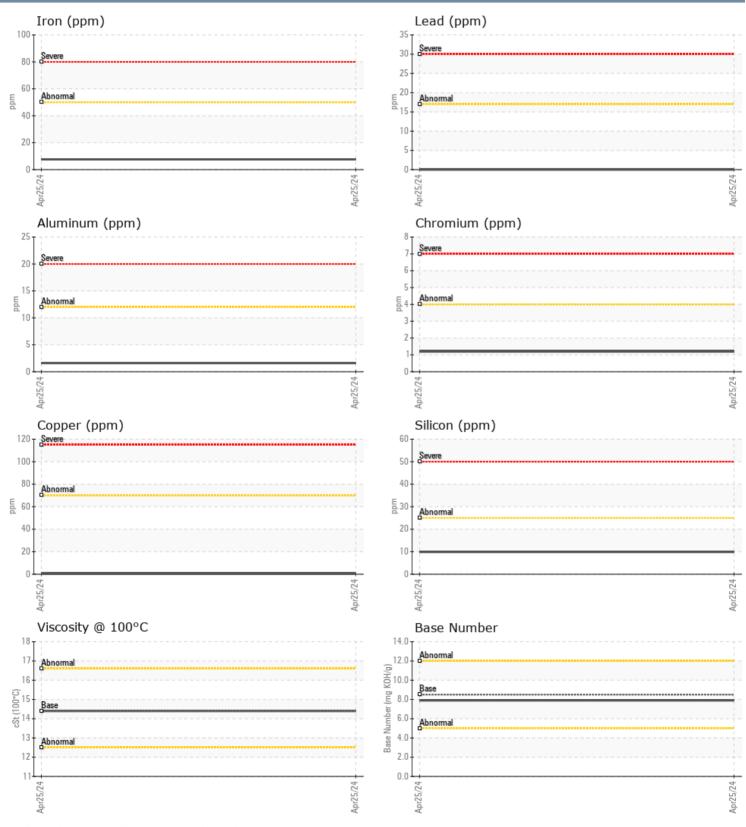
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Contact/Location: RICK HEINY - VP154879

OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: RICK HEINY - VP154879