OIL ANALYSIS REPORT

HAL N. THESEN HAL WESTERBEKE 4-99 HAL N. THESEN - CENTER DIESEL ENGINE

Sample No: VPA060763

Oil Type: CHEVRON DELO 400 SAE 30

SAMPLE INFORMATION

SAMPLE INFURMA	IIUN			
Sample Number		VPA060763	 	
Sample Date		24 Apr 2024	 	 Northwest Diesel Power
Machine Hours		190	 	 1325 ROEDER AVE SUITE 103
Oil Hours		20	 	 BELLINGHAM, WA
Oil Changed		Changed	 	 US 98225
Sample Status		SEVERE	 	 Contact: BRANDON ROBERTSON
Sumple Status		JEVENE		parts@nwdieselpower.com
OIL CONDITION				T:
N/ 0 100%C	C)			F:
Visc @ 100°C	cSt	▲ 7.0	 	
Base Number (BN)	3 . 3	8.7	 	 Diagnosis
Oxidation (PA)	%	30	 	 We advise that you check the fuel
CONTAMINATION				injection system. Oil and filter change
Contraintantion				at the time of sampling has been
Water	%	NEG	 	 noted. We recommend an early
Soot %	%	0.2	 	 resample to monitor this
Nitration (PA)	%	38	 	 condition.All component wear rates
Sulfation (PA)	%	42	 	 are normal. There is a high amount of
Glycol	%	NEG	 	 fuel present in the oil. Fuel is present
Fuel	%	18.3	 	 in the oil and is lowering the viscosity. The oil is no longer
Silicon	ppm	5	 	 serviceable due to the presence of
Sodium	ppm	2	 	 contaminants.
Potassium	ppm	0	 	
WEAD METALS				
WEAR METALS				
Iron	ppm	1 3	 	
Copper	ppm	2	 	
Lead	ppm	2	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	3	 	
Chromium	ppm	3	 	
Molybdenum	ppm	38	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	2853	 	
Magnesium	ppm	86	 	
Zinc	ppm	977	 	
	rr			

Depot: VP759009 Unique No: 11002972 Signed: Sean Felton Report Date: 01 May 2024

Report Id: VP759009 [WUSCAR] 06162253 (Generated: 05/04/2024 01:07:28) Rev: 1

876

348

0 🔲

ppm

ppm

ppm

Phosphorus

Barium

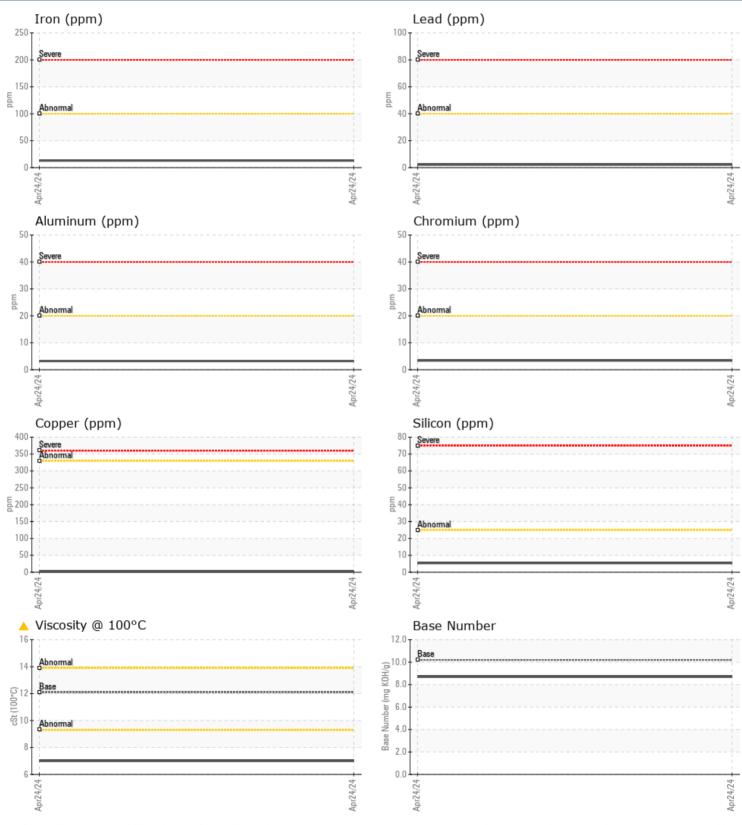
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Contact/Location: BRANDON ROBERTSON - VP759009

OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: BRANDON ROBERTSON - VP759009