## **OIL ANALYSIS REPORT**

## KEVIN SMITH YANMAR 3YM30 106808 - CENTER DIESEL ENGINE

Sample No: VPA045837

Oil Type: DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number		VPA045837	 	
Sample Date		01 Aug 2023	 	
Machine Hours		1200	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.2	 	
Base Number (BN)	mg KOH/g	7.9	 	
Oxidation (PA)	%	56	 	
CONTAMINATION				
<b>C</b> + 0(	0/			
Soot %	%	0.1	 	
Nitration (PA)	%	57	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	7	 	
Sodium	ppm	2	 	
Potassium	ppm	2	 	

#### WEAR METALS

Iron	ppm	8	 	
Copper	ppm		 	
Lead	ppm	0	 	
Tin	ppm		 	
Aluminum	ppm	2	 	
Chromium	ppm		 	
Molybdenum	ppm	39	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	

#### ADDITIVES

Calcium	ppm	1507	 	
Magnesium	ppm	660	 	
Zinc	ppm	<b>1061</b>	 	
Phosphorus	ppm	886	 	
Barium	ppm	0	 	
Boron	ppm	284	 	

#### **Northwest Diesel Power**

1325 ROEDER AVE SUITE 103 BELLINGHAM, WA US 98225 Contact: BRANDON ROBERTSON parts@nwdieselpower.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:
 VP759009

 Unique No:
 10586909

 Signed:
 Don Baldridge

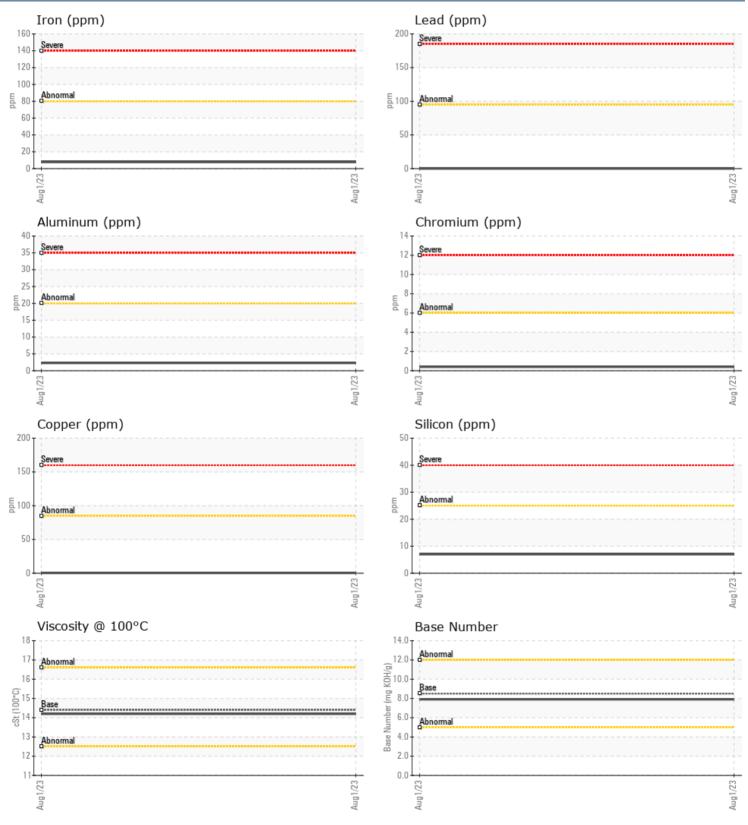
 Report Date:
 05 Aug 2023



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP759009 [WUSCAR] 05914995 (Generated: 08/08/2023 15:11:10) Rev: 1

Contact/Location: BRANDON ROBERTSON - VP759009