## **OIL ANALYSIS REPORT**

## ALFRED CAIN 6273 VOLVO PENTA D6-400A-F A1061344 - STARBOARD DIESEL ENGINE

Sample No: VPA060153

Oil Type: NOT GIVEN

## SAMPLE INFORMATION

Sample Number		VPA060153	 	
Sample Date		30 Aug 2023	 	
Machine Hours		257	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.3	 	
Base Number (BN)	mg KOH/g	9.8	 	
Oxidation (PA)	%	53	 	
Oxidation (17)	/0	33	 	
CONTAMINATION	70	33		
CONTAMINATION	%	0.1	 	
CONTAMINATION Soot %				
CONTAMINATION Soot % Nitration (PA)	%	0.1	 	
CONTAMINATION Soot % Nitration (PA) Sulfation (PA)	%	□0.1 40	 	
CONTAMINATION Soot % Nitration (PA) Sulfation (PA) Glycol	% % %	0.1 40 51	 	
CONTAMINATION Soot % Nitration (PA)	% % % %	0.1 40 51 NEG	 	
CONTAMINATION Soot % Nitration (PA) Sulfation (PA) Glycol Fuel	% % % % %	0.1 40 51 NEG <1.0	 	

#### WEAR METALS

Iron	ppm	<b>1</b> 3	 	
Copper	ppm	2	 	
Lead	ppm	0	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	3	 	
Chromium	ppm	<b>  </b> <1	 	
Molybdenum	ppm	58	 	
Nickel	ppm	<b></b> <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	

#### ADDITIVES

Calcium	ppm	1065	 	
Magnesium	ppm	982	 	
Zinc	ppm	<b>1282</b>	 	
Phosphorus	ppm	<b>1056</b>	 	
Barium	ppm	0	 	
Boron	ppm	<b></b> <1	 	

#### **Northwest Diesel Power**

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

## Diagnosis

No corrective action is recommended at this time. 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:
 VP759009

 Unique No:
 10631750

 Signed:
 Don Baldridge

 Report Date:
 06 Sep 2023

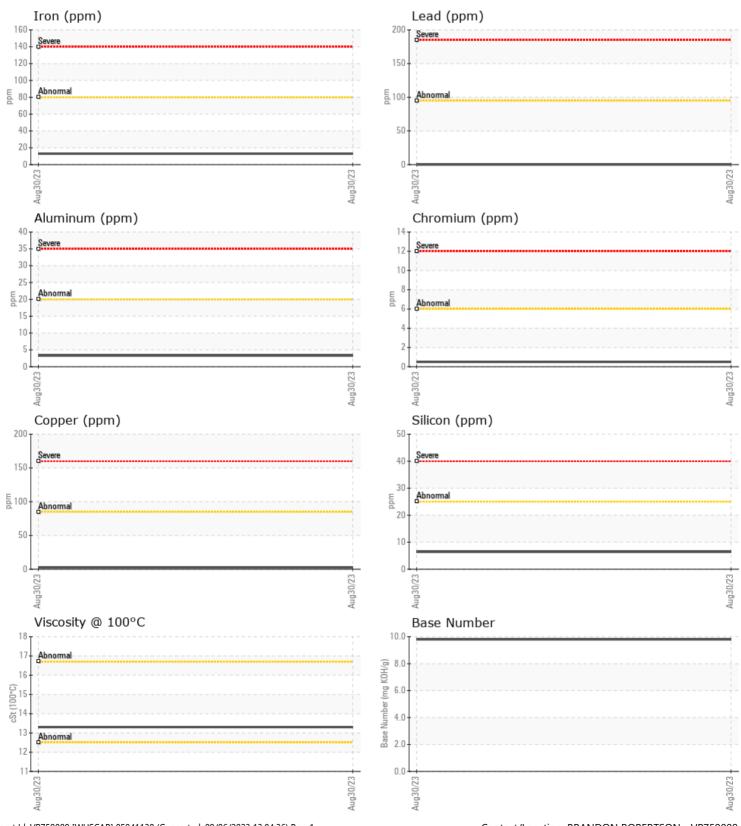
Contact/Location: BRANDON ROBERTSON - VP759009



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP759009 [WUSCAR] 05941138 (Generated: 09/06/2023 13:04:36) Rev: 1

Contact/Location: BRANDON ROBERTSON - VP759009