OIL ANALYSIS REPORT

MIKE OWEN 6230 VOLVO PENTA TAMD63P-A 2061095732 - STARBOARD DIESEL ENGINE

Sample No: VPA048858

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number		VPA048858	 	
Sample Date		08 Aug 2023	 	
Machine Hours		2889	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.3	 	
Base Number (BN)	mg KOH/g	9.3	 	
Oxidation (PA)	%	55	 	
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	43	 	
Sulfation (PA)	%	50	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	7	 	
Sodium	ppm	■ <1	 	
Potassium	ppm	2	 	
WEAR METALS				

WEAR METALS

Iron	ppm	24	 	
Copper	ppm	6	 	
Lead	ppm	■ <1	 	
Tin	ppm	■<1	 	
Aluminum	ppm	1	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	60	 	
Nickel	ppm	1	 	
Titanium	ppm	 <1	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	<1	 	

ADDITIVES

Calcium	ppm	1190	 	
Magnesium	ppm	931	 	
Zinc	ppm	1318	 	
Phosphorus	ppm	1021	 	
Barium	ppm	0	 	
Boron	ppm	72	 	

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:
 10593023

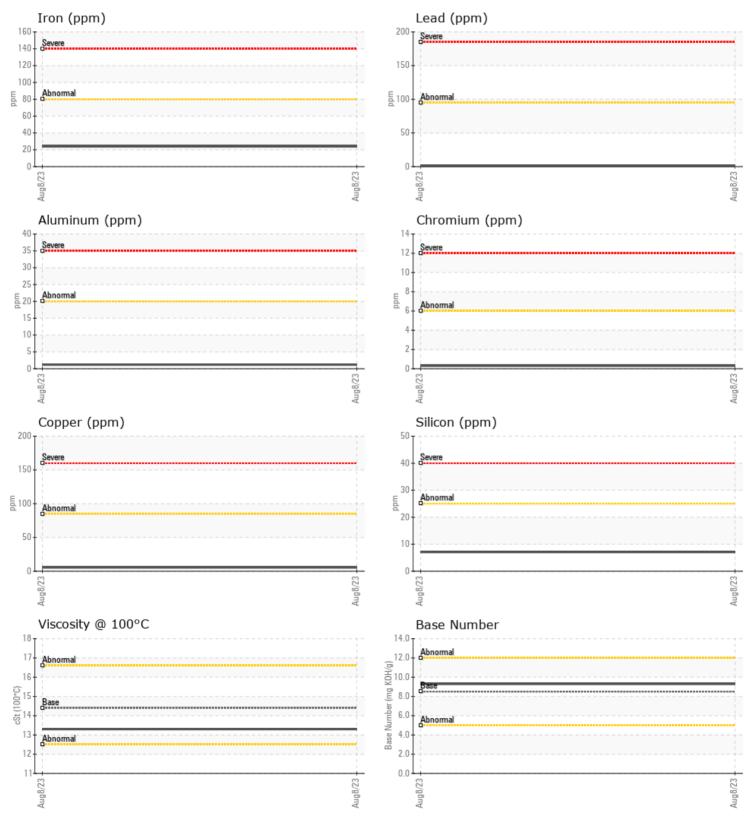
 Signed:
 Don Baldridge

 Report Date:
 11 Aug 2023

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP759009 [WUSCAR] 05921109 (Generated: 08/14/2023 20:25:02) Rev: 1

Contact/Location: BRANDON ROBERTSON - VP759009