OIL ANALYSIS REPORT

HEIDI TRUDGEON 6175 VOLVO PENTA A1113657 - STARBOARD DIESEL ENGINE

Sample No: VPA045818

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number		VPA045818	 	
Sample Date		05 Jul 2023	 	
Machine Hours		85	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.66	 	
Base Number (BN)	mg KOH/g	9.5	 	
Oxidation (PA)	%	70	 	
()		-		
CONTAMINATION				
Soot %	%	0.2	 	
Nitration (PA)	%	43	 	
Sulfation (PA)	%	64	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	1 3	 	
Sodium	ppm	0	 	
Potassium	ppm	2	 	
WEAR METALS				

Iron	ppm	57	 	
Copper	ppm	7	 	
Lead	ppm	2	 	
Tin	ppm	1	 	
Aluminum	ppm	26	 	
Chromium	ppm	3	 	
Molybdenum	ppm	109	 	
Nickel	ppm	1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	1	 	
Vanadium	maa	0	 	

ADDITIVES

Calcium	ppm	1458	 	
Magnesium	ppm	606	 	
Zinc	ppm	826	 	
Phosphorus	ppm	701	 	
Barium	ppm	2	 	
Boron	ppm	363	 	

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 acceptable for the time in service.

 Depot:
 VP759009

 Unique No:
 10547528

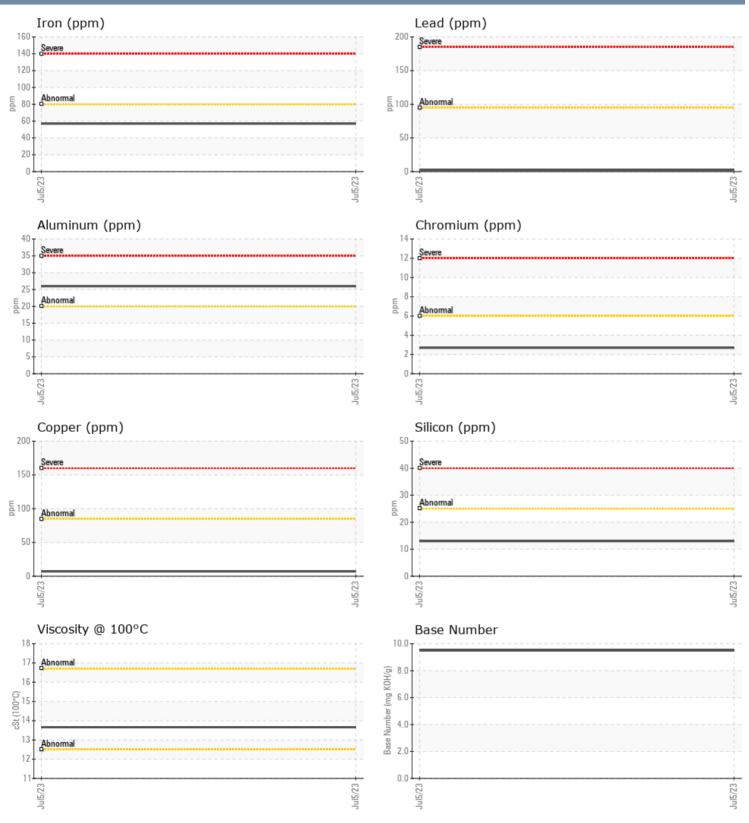
 Signed:
 Doug Bogart

 Report Date:
 06 Jul 2023

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP759009 [WUSCAR] 05891718 (Generated: 07/10/2023 19:50:07) Rev: 1

Contact/Location: BRANDON ROBERTSON - VP759009