OIL ANALYSIS REPORT

MATT BAKER VOLVO PENTA A 186559 - STARBOARD DIESEL ENGINE

Sample No: VPA049840

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number		VPA049840	 	
Sample Date		12 Oct 2023	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.6	 	
Base Number (BN)	mg KOH/g	10.0	 	
Oxidation (PA)	%	55	 	
CONTAMINATION				
Contraction				
Soot %	%	0.1	 	
Nitration (PA)	%	40	 	
Sulfation (PA)	%	51	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	3	 	
Sodium	ppm	∎1	 	
Potassium	ppm	0	 	

WEAR METALS

Iron	ppm	3	 	
Copper	ppm	 <1	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	0	 	
Chromium	ppm	0	 	
Molybdenum	ppm	47	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	1160	 	
Magnesium	ppm	724	 	
Zinc	ppm	🔲 1069	 	
Phosphorus	ppm	902	 	
Barium	ppm	0	 	
Boron	ppm	30	 	

Outstanding Marine

PO Box 274 GALENA, MD US 21635 Contact: Ronda Bolinger rlwb@verizon.net 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:
 VP153685

 Unique No:
 10698220

 Signed:
 Don Baldridge

 Report Date:
 18 Oct 2023

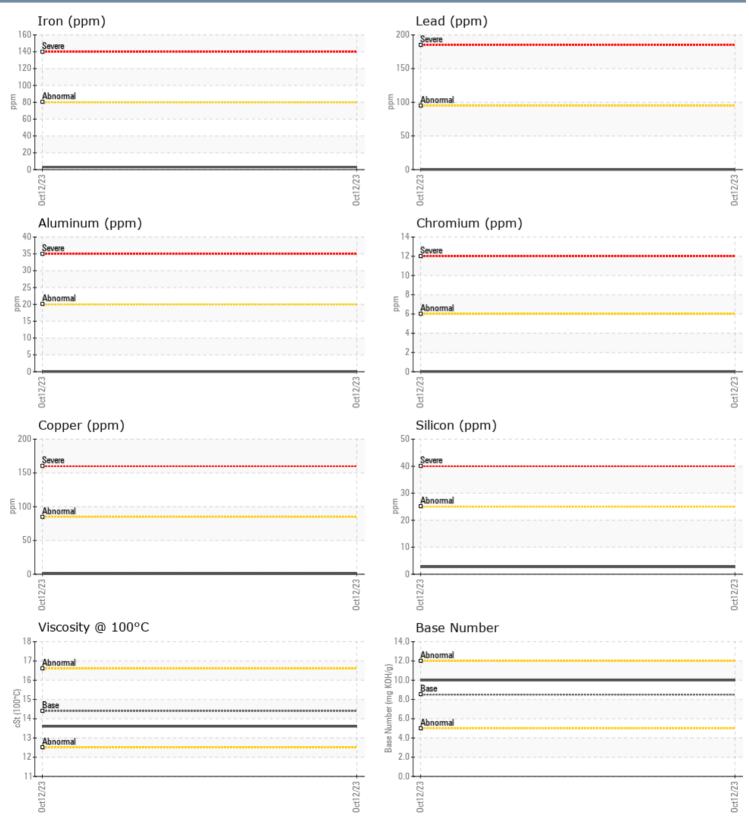
Contact/Location: Ronda Bolinger - VP153685



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP153685 [WUSCAR] 05980925 (Generated: 10/23/2023 01:01:54) Rev: 1

Contact/Location: Ronda Bolinger - VP153685