## **OIL ANALYSIS REPORT**

### JOHN MORRIS BATES VOLVO PENTA 2006016992 - STARBOARD DIESEL ENGINE

Sample No: VPA045835

Oil Type: VOLVO

#### SAMPLE INFORMATION

Sample Number		VPA045835	 	
Sample Date		30 Aug 2023	 	
Machine Hours		302	 	
Oil Hours		25	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.22	 	
Oxidation (PA)	%	59	 	
CONTAMINATION				
LONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	47	 	
Sulfation (PA)	%	57	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	6	 	
Sodium	ppm	■ <1	 	
Potassium	ppm	<b>1</b>	 	
WEAR METALS				
Iron	ppm	13	 	
Copper	ppm	■ <1	 	
Lead	ppm	0	 	
Tin	ppm	<1	 	
Aluminum	ppm	3	 	
Chromium	ppm	■ <1	 	
Molybdenum	ppm	94	 	
Nickel	ppm	<1	 	
Titanium	ppm	<b>□</b> <1	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1418	 	
Magnesium	ppm	557	 	
Zinc	ppm	779	 	
Phosphorus	ppm	655	 	
Barium	ppm	0	 	
Boron	ppm	310	 	
DOIOII	ppill			



VOLVO PENTA

PO Box 274 GALENA, MD US 21635 Contact: Ronda Bolinger rlwb@verizon.net 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 condition of the oil is acceptable for the time in service.

 Depot:
 VP153685

 Unique No:
 10630618

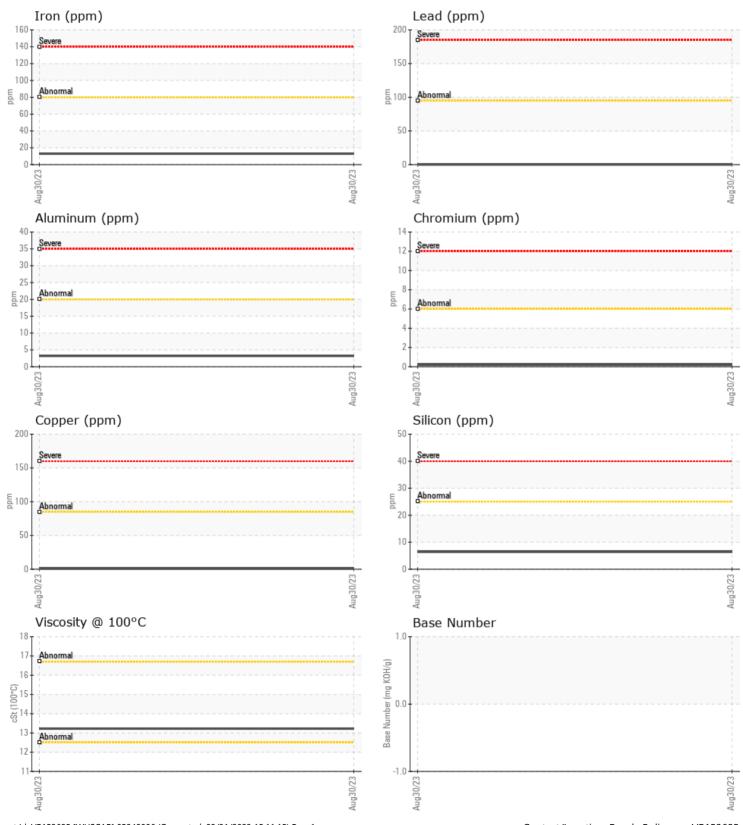
 Signed:
 Doug Bogart

 Report Date:
 31 Aug 2023

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP153685 [WUSCAR] 05940006 (Generated: 08/31/2023 15:11:15) Rev: 1

Contact/Location: Ronda Bolinger - VP153685