OIL ANALYSIS REPORT

VOLVO PENTA 2006065738 - PORT DIESEL ENGINE

Sample No:VPA051869Oil Type:NOT GIVEN

SAMPLE INFORMATION

Sample Number		VPA051869	 	
Sample Date		07 Sep 2023	 	
Machine Hours		1048	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.7	 	
Base Number (BN)	mg KOH/g	9.4	 	
Oxidation (PA)	%	70	 	
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	68	 	
Sulfation (PA)	%	60	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	4	 	
Potassium	ppm	2	 	

WEAR METALS

Iron	ppm	1 0	 	
Copper	ppm	6	 	
Lead	ppm	1	 	
Tin	ppm		 	
Aluminum	ppm	3	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	88	 	
Nickel	ppm	■ <1	 	
Titanium	ppm	 <1	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	<1	 	

ADDITIVES

Calcium	ppm	1427	 	
Magnesium	ppm	957	 	
Zinc	ppm	1235	 	
Phosphorus	ppm	996	 	
Barium	ppm	0	 	
Boron	ppm	127	 	

North Harbor Diesel Inc

720 30Th Street ANACORTES, WA US 98221 Contact: ROBBIN MURDOCK robbin@northharbordiesel.com T: (360)299-1904 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:
 VP179089

 Unique No:
 10649625

 Signed:
 Sean Felton

 Report Date:
 20 Sep 2023

Sample No: VPA051869

Report Id: VP179089 [WUSCAR] 05953666 (Generated: 09/20/2023 11:21:51) Rev: 1

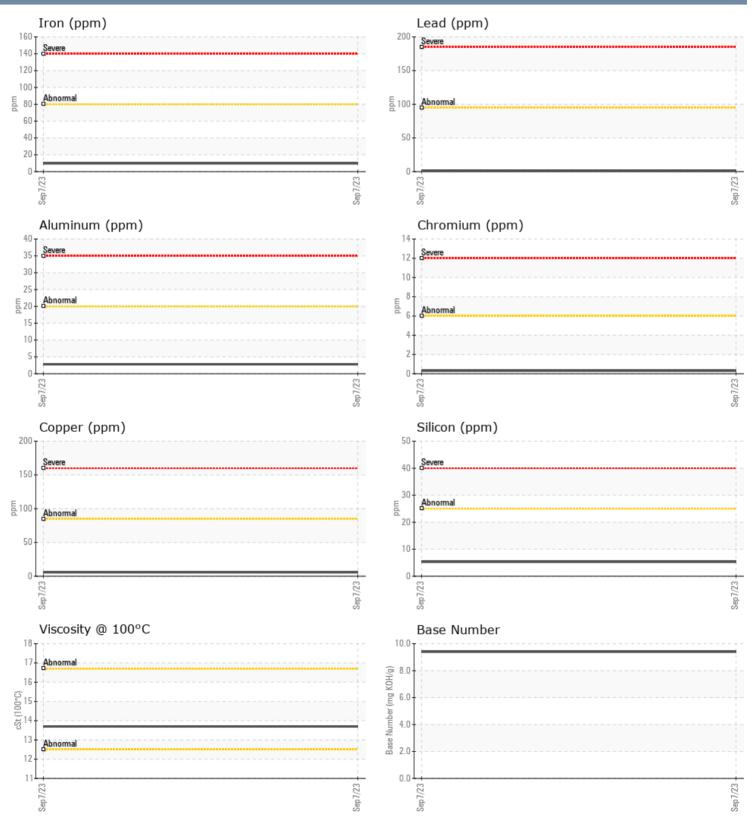
Contact/Location: ROBBIN MURDOCK - VP179089



OIL ANALYSIS REPORT



GRAPHS



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