OIL ANALYSIS REPORT

NADINE URCIUOLI MONTERY BAY BOATWORK VOLVO PENTA A393502 - INBOARD - PORT DIESEL ENGINE

Sample No: VPA051694

Oil Type: VOLVO

SAMPLE INFORMATION

Tin

Aluminum

Chromium

Nickel

Silver

Titanium

Manganese

ADDITIVES

Vanadium

Calcium

Zinc Phosphorus

Barium

Boron

Magnesium

Molybdenum

Sample Number		VPA051694	 	
Sample Date		01 Aug 2023	 	
Machine Hours		427	 	
Oil Hours		427	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.1	 	
Base Number (BN)	mg KOH/g	9.4	 	
Oxidation (PA)	%	57	 	
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	51	 	
Sulfation (PA)	%	51	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	■<1	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	27	 	
Copper	ppm	4	 	
Lead	ppm	■ <1	 	

Helmuts Marine Service

619 Canal Street SAN RAFAEL, CA US 94901-3545 Contact: NADINE URCIUOLI SERVICE@HELMUTSMARINE.COM T: x: F: x:

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: VP152741 Unique No: 10589065 Signed: Don Baldridge Report Date: 08 Aug 2023

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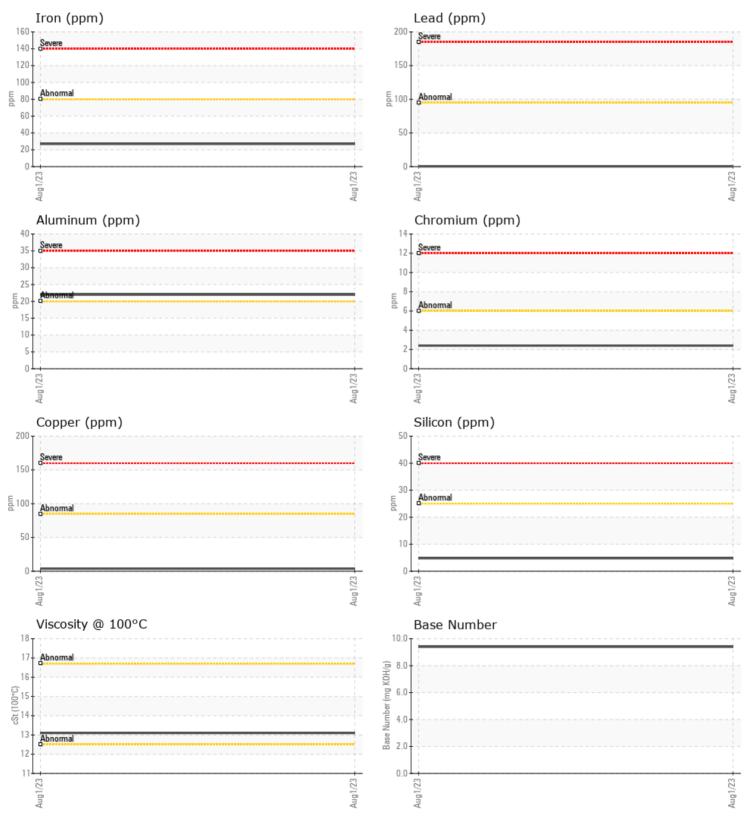
Contact/Location: NADINE URCIUOLI - VP152741



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP152741 [WUSCAR] 05917151 (Generated: 08/10/2023 13:45:34) Rev: 1

Contact/Location: NADINE URCIUOLI - VP152741