## **OIL ANALYSIS REPORT**

### NADINE URCIUOLI LUZAICH VOLVO PENTA A 1099933 - GENSET

Sample No: VPA048728

Oil Type: VOLVO PENTA SAE 15W40

#### SAMPLE INFORMATION

Sample Number		VPA048728	 	
Sample Date		08 Aug 2023	 	
Machine Hours		114	 	
Oil Hours		114	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
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Visc @ 100°C	cSt	13.3	 	
Base Number (BN)	mg KOH/g	10.1	 	
Oxidation (PA)	%	58	 	
CONTAMINATION				
Soot %	%	0	 	
Nitration (PA)	%	45	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	7	 	
Sodium	ppm	2	 	
Potassium	ppm	2	 	

#### WEAR METALS

Iron	ppm	3	 	
Copper	ppm	2	 	
Lead	ppm	■ <1	 	
Tin	ppm		 	
Aluminum	ppm	2	 	
Chromium	ppm	<b></b> <1	 	
Molybdenum	ppm	55	 	
Nickel	ppm	<b></b> <1	 	
Titanium	ppm	<b></b> <1	 	
Silver	ppm	0	 	
Manganese	ppm	<b></b> <1	 	
Vanadium	ppm	0	 	

#### ADDITIVES

Calcium	ppm	<b>1230</b>	 	
Magnesium	ppm	911	 	
Zinc	ppm	<b>1321</b>	 	
Phosphorus	ppm	<b>1079</b>	 	
Barium	ppm	0	 	
Boron	ppm	<b>1</b> 4	 	

#### **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:
 10605767

 Signed:
 Don Baldridge

 Report Date:
 17 Aug 2023

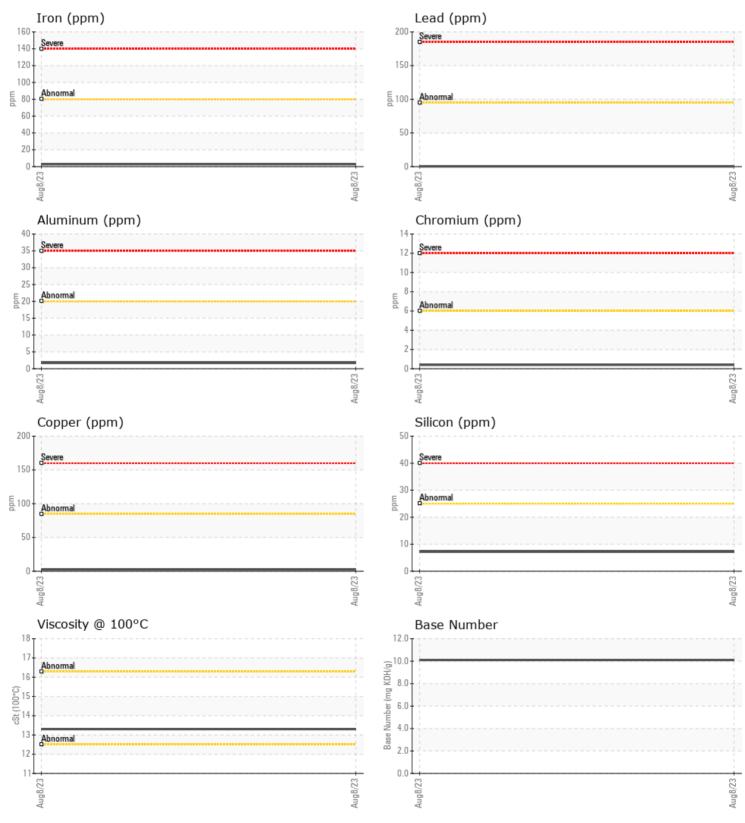
Contact/Location: NADINE URCIUOLI - VP152741



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#### GRAPHS



Report Id: VP152741 [WUSCAR] 05925820 (Generated: 08/21/2023 11:27:10) Rev: 1

Contact/Location: NADINE URCIUOLI - VP152741