## **OIL ANALYSIS REPORT**

## MINI NEHUR PASCAL 502429 VOLVO PENTA 4012034213 - PORT GASOLINE ENGINE

Sample No: VPA059028

VPA059028

Oil Type: VOLVO 10W40

## SAMPLE INFORMATION

Sample Number		VPA059028					
Sample Date		17 Oct 2023					
Machine Hours		0					
Oil Hours		0					
Oil Changed		N/A					
Sample Status		ABNORMAL					
OIL CONDITION							
Visc @ 100°C	cSt	<b>8.3</b>					
Base Number (BN)	mg KOH/g	7.3					
Oxidation (PA)	%	12					
Children (171)	,0						
CONTAMINATION							
Soot %	%	<b>0.1</b>					
Nitration (PA)	%	9					
Sulfation (PA)	%	10					
	%	NEG					
Glycol Fuel	%	▲ 3.9					
Silicon	ppm	▲ 34					
Sodium	ppm	▲ 320					
Potassium	ppm	<u> </u>					
WEAR METALS							
Iron	ppm	<b>132</b>					
Copper	ppm	<b>1</b> 2					
Lead	ppm	26					
Tin	ppm	5					
Aluminum	ppm	<b>4</b> 21					
Chromium	ppm	2					
Molybdenum	ppm	13					
Nickel	ppm	2					
Titanium	ppm	28					
	P.P						

#### Manganese Vanadium

Silver

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ppm

ppm

ppm

Calcium	ppm	1437	 	
Magnesium	ppm	24	 	
Zinc	ppm	724	 	
Phosphorus	ppm	583	 	
Barium	ppm	0	 	
Boron	ppm	9	 	

Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com T: (206)784-3703 F: (206)784-8823

## Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend an early resample to monitor this condition.All component wear rates are normal. Sodium and/or potassium levels are high. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity.

 Depot:
 VP794951

 Unique No:
 10701303

 Signed:
 Jonathan Hester

 Report Date:
 24 Oct 2023

0

1

0

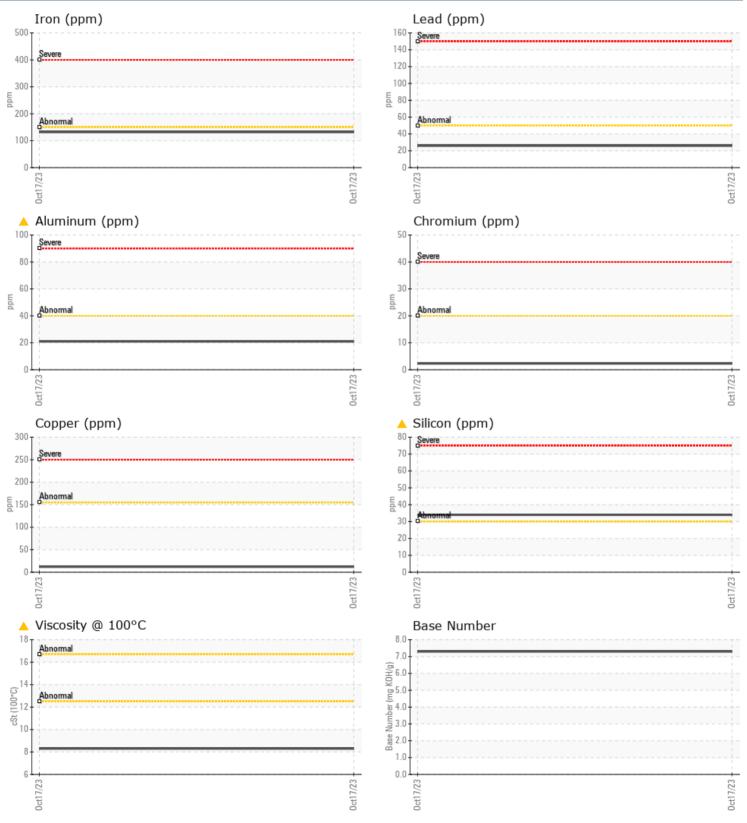
Contact/Location: WILLOW YANARELLA - VP794951



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#### GRAPHS



Report Id: VP794951 [WUSCAR] 05984008 (Generated: 10/27/2023 01:22:58) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951