

# OIL ANALYSIS REPORT



## ROBERT MINNING RCM KOHLER 2037896 - CENTER GENSET

**Sample No:** VPA025825  
**Oil Type:** MOBIL DELVAC 1300 SUPER15W40

### SAMPLE INFORMATION

Sample Number	<b>VPA025825</b>	VPA025797	VPA024539	---
Sample Date	<b>11 Jun 2023</b>	28 Mar 2022	24 Jul 2019	---
Machine Hours	<b>3012</b>	2929	2876	---
Oil Hours	<b>45</b>	115	128	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

### Blue Water Marine Repair

4924 17 Ave. South  
 GULFPORT, FL  
 US 33707  
 Contact: Joseph Hartman Jr.  
 bwmr@tampabay.rr.com  
 T: (727)327-6512  
 F:

### OIL CONDITION

Visc @ 100°C	cSt	<b>13.6</b>	12.7	13.7	---
Base Number (BN)	mg KOH/g	<b>10.6</b>	10.1	---	---
Oxidation (PA)	%	<b>78</b>	72	56	---

### CONTAMINATION

Soot %	%	<b>0.1</b>	0.1	0.1	---
Nitration (PA)	%	<b>49</b>	60	53	---
Sulfation (PA)	%	<b>62</b>	66	50	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	---
Silicon	ppm	<b>9</b>	8	7	---
Sodium	ppm	<b>2</b>	2	20	---
Potassium	ppm	<b>3</b>	1	9	---

### 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 suitable for further service.

### WEAR METALS

Iron	ppm	<b>3</b>	3	5	---
Copper	ppm	<b>2</b>	<1	<1	---
Lead	ppm	<b>&lt;1</b>	1	2	---
Tin	ppm	<b>&lt;1</b>	<1	0	---
Aluminum	ppm	<b>&lt;1</b>	3	1	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>58</b>	94	34	---
Nickel	ppm	<b>0</b>	<1	1	---
Titanium	ppm	<b>0</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	<1	<1	---
Vanadium	ppm	<b>&lt;1</b>	<1	0	---

### ADDITIVES

Calcium	ppm	<b>1680</b>	1546	1684	---
Magnesium	ppm	<b>584</b>	715	484	---
Zinc	ppm	<b>940</b>	881	1149	---
Phosphorus	ppm	<b>774</b>	803	920	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>154</b>	351	29	---

**Depot:** VP151824  
**Unique No:** 10546910  
**Signed:** Sean Felton  
**Report Date:** 07 Jul 2023

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# VOLVO PENTA

## GRAPHS

