

# OIL ANALYSIS REPORT



## CROSSMAN ONAN H190623517 - GENSET

**Sample No:** VPA057378  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	<b>VPA057378</b>	VPA035782	---	---
Sample Date	<b>07 Jul 2024</b>	09 Oct 2023	---	---
Machine Hours	<b>437</b>	404	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>N/A</b>	Not Changd	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

**Outstanding Marine**  
 PO Box 274  
 GALENA, MD  
 US 21635  
 Contact: Ronda Bolinger  
 rlwb@verizon.net  
 T:  
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### OIL CONDITION

Visc @ 100°C	cSt	<b>13.78</b>	13.0	---	---
Base Number (BN)	mg KOH/g	<b>9.3</b>	8.8	---	---
Oxidation (PA)	%	<b>67</b>	71	---	---

### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Soot %	%	<b>0.1</b>	0.1	---	---
Nitration (PA)	%	<b>53</b>	67	---	---
Sulfation (PA)	%	<b>55</b>	55	---	---
Glycol	%	<b>NEG</b>	NEG	---	---
Fuel	%	<b>&lt;1.0</b>	<1.0	---	---
Silicon	ppm	<b>3</b>	10	---	---
Sodium	ppm	<b>3</b>	1	---	---
Potassium	ppm	<b>3</b>	3	---	---

### 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>	7	---	---
Copper	ppm	<b>1</b>	2	---	---
Lead	ppm	<b>0</b>	<1	---	---
Tin	ppm	<b>&lt;1</b>	<1	---	---
Aluminum	ppm	<b>2</b>	<1	---	---
Chromium	ppm	<b>0</b>	<1	---	---
Molybdenum	ppm	<b>46</b>	36	---	---
Nickel	ppm	<b>&lt;1</b>	<1	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>0</b>	<1	---	---
Vanadium	ppm	<b>0</b>	0	---	---

### ADDITIVES

Calcium	ppm	<b>1232</b>	1291	---	---
Magnesium	ppm	<b>762</b>	600	---	---
Zinc	ppm	<b>911</b>	908	---	---
Phosphorus	ppm	<b>772</b>	742	---	---
Barium	ppm	<b>0</b>	2	---	---
Boron	ppm	<b>56</b>	57	---	---

**Depot:** VP153685  
**Unique No:** 1114215  
**Signed:** Doug Bogart  
**Report Date:** 08 Jul 2024

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**VOLVO  
PENTA**

## GRAPHS

