



# CONSTRUCTION EQUIPMENT

DAVE BREEN 505825 CUMMINS/ONAN G170215486 - GENSET



**Sample No:** VCP048045  
**Oil Type:** VOLVO PENTA SAE 15W40  
**Job No:** 505825



## SAMPLE INFORMATION

Sample Number	<b>VCP048045</b>	VPA042458	VPA032337	---
Sample Date	<b>19 Dec 2023</b>	08 Feb 2023	01 Mar 2021	---
Machine Hours	<b>460</b>	372	258	---
Oil Hours	<b>88</b>	57	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**Jefferson Beach Yacht Sales Inc**  
24400 Jefferson Ave.  
SAINT CLAIR SHORES, MI  
US 48080  
Contact: DENNIS BUTT  
dbutt@jbys.com  
T: (866)490-5297  
F:



## OIL CONDITION

Visc @ 100°C	cSt	<b>12.6</b>	13.2	13.2	---
Base Number (BN)	mg KOH/g	<b>9.9</b>	10.7	---	---
Oxidation (PA)	%	<b>59</b>	54	61	---

## 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.



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Soot %	%	<b>0.1</b>	0.1	0.1	---
Nitration (PA)	%	<b>44</b>	43	54	---
Sulfation (PA)	%	<b>52</b>	52	55	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	---
Silicon	ppm	<b>4</b>	6	10	---
Sodium	ppm	<b>1</b>	<1	<1	---
Potassium	ppm	<b>0</b>	2	<1	---



## WEAR METALS

Iron	ppm	<b>6</b>	13	10	---
Copper	ppm	<b>1</b>	<1	6	---
Lead	ppm	<b>0</b>	<1	<1	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>0</b>	<1	0	---
Chromium	ppm	<b>0</b>	1	<1	---
Molybdenum	ppm	<b>50</b>	60	62	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>0</b>	1	1	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>1048</b>	1147	1372	---
Magnesium	ppm	<b>925</b>	1014	867	---
Zinc	ppm	<b>1179</b>	1313	1224	---
Phosphorus	ppm	<b>923</b>	1033	1127	---
Barium	ppm	<b>0</b>	0	1	---
Boron	ppm	<b>&lt;1</b>	2	14	---

**Depot:** VP297371  
**Unique No:** 10805113  
**Signed:** Don Baldrige  
**Report Date:** 27 Dec 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

