

OIL ANALYSIS REPORT



BRIAN WELLS J06052 KOHLER 2008665 - GENSET

Sample No: VPA048783
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA048783	VPA048669	---	---
Sample Date	14 Mar 2024	14 Mar 2023	---	---
Machine Hours	857	717	---	---
Oil Hours	140	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Jefferson Beach Yacht Sales Inc
 24400 Jefferson Ave.
 SAINT CLAIR SHORES, MI
 US 48080
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OIL CONDITION

Visc @ 100°C	cSt	14.7	12.7	---	---
Base Number (BN)	mg KOH/g	9.2	6.2	---	---
Oxidation (PA)	%	56	52	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.3	0.1	---	---
Nitration (PA)	%	49	57	---	---
Sulfation (PA)	%	50	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	3	8	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	0	5	---	---

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.

WEAR METALS

Iron	ppm	7	28	---	---
Copper	ppm	8	5	---	---
Lead	ppm	<1	2	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	6	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	47	1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	3	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	1285	1595	---	---
Magnesium	ppm	842	20	---	---
Zinc	ppm	1312	977	---	---
Phosphorus	ppm	1031	760	---	---
Barium	ppm	0	2	---	---
Boron	ppm	27	92	---	---

Depot: VP297371
Unique No: 10929298
Signed: Sean Felton
Report Date: 20 Mar 2024

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**VOLVO
PENTA**

GRAPHS

