

OIL ANALYSIS REPORT

VOLVO PENTA

WESTERBEKE J060000325E - CENTER GENSET

Sample No: VPA044362

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA044362	---	---	---
Sample Date	24 Jul 2023	---	---	---
Machine Hours	437	---	---	---
Oil Hours	150	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

SMART DIESEL SERVICE

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.37	---	---	---
Oxidation (PA)	%	90	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	88	---	---	---
Sulfation (PA)	%	70	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 11	---	---	---
Potassium	ppm	█ 9	---	---	---

Diagnosis

No corrective action is recommended at this time. 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 condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 9	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 2011	---	---	---
Magnesium	ppm	59	---	---	---
Zinc	ppm	█ 1143	---	---	---
Phosphorus	ppm	█ 855	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 57	---	---	---

Depot: VPSMAPLA

Unique No: 10602577

Signed: Doug Bogart

Report Date: 11 Aug 2023

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GRAPHS

