

OIL ANALYSIS REPORT

**VOLVO
PENTA**

MERCURY OF557600 - GASOLINE ENGINE

Sample No: VPA045663

Oil Type: SHELL ROTELLA T 40

SAMPLE INFORMATION

Sample Number	VPA045663	---	---	---
Sample Date	06 Sep 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Walstrom Marine
501 Bay Street
HARBOR SPRINGS, MI
US 49740
Contact: MARK LEWIS
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T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.0	---	---	---
Oxidation (PA)	%	8	---	---	---

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.

CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	4	---	---	---
Sulfation (PA)	%	8	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ < 1	---	---	---

WEAR METALS

Iron	ppm	█ 30	---	---	---
Copper	ppm	█ 19	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 103	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2488	---	---	---
Magnesium	ppm	█ 110	---	---	---
Zinc	ppm	█ 1143	---	---	---
Phosphorus	ppm	█ 1002	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 4	---	---	---

Depot: VP154879
Unique No: 10647181
Signed: Doug Bogart
Report Date: 18 Sep 2023

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GRAPHS

