

OIL ANALYSIS REPORT

VOLVO PENTA

MILLER KOHLER 337XGMJP0005 - PORT GENSET

Sample No: VPA059989

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA059989	---	---	---
Sample Date	05 Dec 2023	---	---	---
Machine Hours	223	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Walstrom Marine - 767948

501 Bay Street
HARBOR SPRINGS, MI
US 49740

Contact: RICK HEINY
rheiny@walstrom.com

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.7	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	52	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	59	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 3	---	---	---

WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1325	---	---	---
Magnesium	ppm	█ 584	---	---	---
Zinc	ppm	█ 1170	---	---	---
Phosphorus	ppm	█ 957	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 114	---	---	---

Depot: VP154879

Unique No: 10789527

Signed: Sean Felton

Report Date: 18 Dec 2023

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GRAPHS

