

OIL ANALYSIS REPORT

**VOLVO
PENTA**

MORSE MERCUISER MORSE (S/N NOT GIVEN) - GASOLINE ENGINE

Sample No: VPA055716

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA055716	---	---	---
Sample Date	27 Apr 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Outstanding Marine

PO Box 274
GALENA, MD
US 21635
Contact: Ronda Bolinger
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T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Base Number (BN)	mg KOH/g	█ 7.3	---	---	---
Oxidation (PA)	%	10	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	6	---	---	---
Sulfation (PA)	%	10	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 28	---	---	---
Sodium	ppm	█ 24	---	---	---
Potassium	ppm	█ 3	---	---	---

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	█ 14	---	---	---
Copper	ppm	█ 34	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	44	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	< 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1368	---	---	---
Magnesium	ppm	241	---	---	---
Zinc	ppm	694	---	---	---
Phosphorus	ppm	528	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	93	---	---	---

Depot: VP153685
Unique No: 10445806
Signed: Sean Felton
Report Date: 01 May 2023

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GRAPHS

