

OIL ANALYSIS REPORT

**VOLVO
PENTA**

JOE WANNER MERCUISER 1A615526 - PORT GASOLINE ENGINE

Sample No: VPA044995
Oil Type: MERCURY 25W40

SAMPLE INFORMATION

Sample Number	VPA044995	VPA038618	---	---
Sample Date	24 Oct 2022	27 Oct 2021	---	---
Machine Hours	529	463	---	---
Oil Hours	70	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

CHICAGO YACHT WORKS
2550 S ASHLAND AVE
CHICAGO, IL
US 60608
Contact: JONATHAN PAIGE
jonathan@chicagoyachtworks.com
T: (312)666-6670
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 11.62	█ 10.6	---	---
Base Number (BN)	mg KOH/g	█ 7.1	---	---	---
Oxidation (PA)	%	17	21	---	---

CONTAMINATION

Water	%	---	█ 0.119	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	11	13	---	---
Sulfation (PA)	%	14	15	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 24	█ 41	---	---
Sodium	ppm	█ <1	█ 4	---	---
Potassium	ppm	█ 1	█ 1	---	---

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 suitable for further service.

WEAR METALS

Iron	ppm	█ 37	█ 46	---	---
Copper	ppm	█ 3	█ 5	---	---
Lead	ppm	█ 4	█ 7	---	---
Tin	ppm	█ 1	█ 3	---	---
Aluminum	ppm	█ 4	█ 3	---	---
Chromium	ppm	█ 2	█ 1	---	---
Molybdenum	ppm	39	46	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	1	1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	1614	1422	---	---
Magnesium	ppm	61	216	---	---
Zinc	ppm	783	828	---	---
Phosphorus	ppm	609	674	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	4	---	---

Depot: VP1080862
Unique No: 10192092
Signed: Jonathan Hester
Report Date: 01 Nov 2022

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

