

OIL ANALYSIS REPORT

**VOLVO
PENTA**

PITT STOP 3440 FISCHER PANDA 180581 - CENTER GENSET

Sample No: VPA049505
Oil Type: SHELL 15W40

SAMPLE INFORMATION

Sample Number	VPA049505	---	---	---
Sample Date	21 Dec 2023	---	---	---
Machine Hours	640	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

GRAND BANKS

450 SW SALEM RD
STUART, FL
US 34994
Contact: ROBERT ANTONA
roberta@gbmarinegroup.com
T: (609)384-5290
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	9.5	---	---	---
Oxidation (PA)	%	55	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	43	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 59	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1064	---	---	---
Magnesium	ppm	█ 927	---	---	---
Zinc	ppm	█ 1186	---	---	---
Phosphorus	ppm	█ 1035	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	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.

Depot: VP531377
Unique No: 10819235
Signed: Sean Felton
Report Date: 09 Jan 2024

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GRAPHS

