

OIL ANALYSIS REPORT

VOLVO PENTA

ESSENNIA-690 NO 42 JAC VOLVO PENTA 3950008953 - STARBOARD IPS

Sample No: VPA059889

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059889	---	---	---
Sample Date	07 Nov 2023	---	---	---
Machine Hours	160	---	---	---
Oil Hours	110	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

Outstanding Marine

PO Box 274
GALENA, MD
US 21635
Contact: Ronda Bolinger
rlwb@verizon.net
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 93.4	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	9	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 11	---	---	---

WEAR METALS

PQ		■ 22	---	---	---
Iron	ppm	■ 46	---	---	---
Copper	ppm	7	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 5	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 52	---	---	---
Magnesium	ppm	966	---	---	---
Zinc	ppm	■ 0	---	---	---
Phosphorus	ppm	■ 1617	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 612	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP153685
Unique No: 10764283
Signed: Angela Borella
Report Date: 01 Dec 2023

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GRAPHS

