

OIL ANALYSIS REPORT

VOLVO PENTA

DAVID CASADA 320000618 - STARBOARD IPS

Sample No: VPA043933

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA043933	VPA043952	---	---
Sample Date	16 Jan 2023	26 Sep 2022	---	---
Machine Hours	1139	945	---	---
Oil Hours	194	945	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ATTENTION	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	106	107	---	---
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CONTAMINATION

Silicon	ppm	1	2	---	---
Sodium	ppm	7	6	---	---
Potassium	ppm	<1	0	---	---

WEAR METALS

PQ		23	19	---	---
Iron	ppm	224	134	---	---
Copper	ppm	36	24	---	---
Lead	ppm	0	2	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	5	3	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	<1	2	---	---
Nickel	ppm	3	3	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	2	2	---	---
Vanadium	ppm	0	2	---	---

ADDITIVES

Calcium	ppm	8	2	---	---
Magnesium	ppm	5	0	---	---
Zinc	ppm	26	0	---	---
Phosphorus	ppm	1334	1451	---	---
Barium	ppm	0	0	---	---
Boron	ppm	260	330	---	---

INTERSTATE POWER SYSTEMS

2901 E 78TH ST
MINNEAPOLIS, MN
US 55425

Contact: BRADY GARBRECHT
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T:
F:

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other 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: VP1103105
Unique No: 10310705
Signed: Don Baldrige
Report Date: 29 Jan 2023

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GRAPHS

