

OIL ANALYSIS REPORT

VOLVO PENTA

DAN KRAEMER 3194000646 - PORT IPS

Sample No: VPA051706

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA051706	VPA038175	VPA031590	---
Sample Date	10 Sep 2023	23 Sep 2021	19 Sep 2020	---
Machine Hours	667	0	613	---
Oil Hours	15	33	40	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

INTERSTATE POWER SYSTEMS

2901 E 78TH ST
MINNEAPOLIS, MN
US 55425
Contact: BRADY GARBRECHT
brady.garbrecht@istate.com
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	105	102	102	---
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CONTAMINATION

Silicon	ppm	10	18	8	---
Sodium	ppm	1	<1	0	---
Potassium	ppm	1	5	<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 condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		19	20	20	---
Iron	ppm	14	15	8	---
Copper	ppm	3	4	3	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	<1	0	---
Chromium	ppm	0	<1	0	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	0	0	---

ADDITIVES

Calcium	ppm	<1	<1	20	---
Magnesium	ppm	<1	0	<1	---
Zinc	ppm	5	5	8	---
Phosphorus	ppm	1378	1332	1343	---
Barium	ppm	0	0	0	---
Boron	ppm	337	311	373	---

Depot: VP1103105
Unique No: 10646906
Signed: Don Baldrige
Report Date: 19 Sep 2023

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GRAPHS

