

OIL ANALYSIS REPORT

VOLVO PENTA

SLAGLE VOLVO PENTA 3940017328 - STARBOARD IPS

Sample No: VPA050788

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA050788	VPA056140	---	---
Sample Date	06 Sep 2023	08 May 2023	---	---
Machine Hours	1222	1050	---	---
Oil Hours	0	1050	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	SEVERE	---	---

W J Clark Inc
4517 Dunning Road
NORFOLK, VA
US 23518
Contact: WALTER CLARK
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T:
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 103	█ 114	---	---
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CONTAMINATION

Water	%	▲ 0.542	▲ 0.389	---	---
Silicon	ppm	█ 13	█ 17	---	---
Sodium	ppm	█ 37	█ 50	---	---
Potassium	ppm	█ 4	█ 9	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		█ 28	█ 17	---	---
Iron	ppm	▲ 339	● 477	---	---
Copper	ppm	█ 15	█ 29	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	7	█ 22	---	---
Chromium	ppm	█ 3	█ 4	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 2	█ 5	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 3	█ 8	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	█ 8	█ 22	---	---
Magnesium	ppm	█ 10	█ 30	---	---
Zinc	ppm	█ 38	█ 38	---	---
Phosphorus	ppm	█ 1453	█ 1389	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 275	█ 234	---	---

Depot: VP151520
Unique No: 10641991
Signed: Jonathan Hester
Report Date: 13 Sep 2023

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GRAPHS

