

OIL ANALYSIS REPORT

VOLVO PENTA

KAREN SYRJALA SAM VOLVO PENTA 3955008505 - STARBOARD IPS

Sample No: VPA055656

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA055656	VPA047786	---	---
Sample Date	03 Apr 2023	14 Dec 2022	---	---
Machine Hours	0	128	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	SEVERE	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 118	█ 98.6	---	---
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CONTAMINATION

Water	%	█ 5.58	---	---	---
Silicon	ppm	█ 5	10	---	---
Sodium	ppm	█ 385	█ 4	---	---
Potassium	ppm	█ 17	█ 2	---	---

WEAR METALS

PQ		█ 28	█ 18	---	---
Iron	ppm	█ 28	█ 31	---	---
Copper	ppm	█ 3	6	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	█ 2	1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 0	<1	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	0	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ 3	5	---	---
Vanadium	ppm	█ 0	0	---	---

ADDITIVES

Calcium	ppm	█ 34	42	---	---
Magnesium	ppm	█ 170	873	---	---
Zinc	ppm	█ 17	8	---	---
Phosphorus	ppm	█ 1394	1455	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 325	537	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP794951
Unique No: 10553537
Signed: Don Baldrige
Report Date: 17 Jul 2023

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GRAPHS

