

OIL ANALYSIS REPORT

VOLVO PENTA

JENIFER MALDONADO CMS VOLVO PENTA A966638 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA036366

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA036366	---	---	---
Sample Date	03 Apr 2024	---	---	---
Machine Hours	482	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

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

Water	%	▲ 0.524	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 44	---	---	---
Potassium	ppm	■ 3	---	---	---

WEAR METALS

PQ		■ 22	---	---	---
Iron	ppm	■ 122	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	● 17	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 16	---	---	---
Magnesium	ppm	■ 12	---	---	---
Zinc	ppm	■ 45	---	---	---
Phosphorus	ppm	■ 1296	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 299	---	---	---

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. The nickel level is abnormal. All other 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: VPCYMPOM
Unique No: 10963647
Signed: Don Baldrige
Report Date: 08 Apr 2024

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GRAPHS

