

OIL ANALYSIS REPORT

VOLVO PENTA

KIRK RUSSEL 502875 VOLVO PENTA 3194005028 (S/N 2006020608) - PORT IPS

Sample No: VPA059340
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059340	VPA011708	---	---
Sample Date	21 Mar 2024	26 Aug 2016	---	---
Machine Hours	1036	706	---	---
Oil Hours	0	20	---	---
Oil Changed	Not Changd	N/A	---	---
Sample Status	SEVERE	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 118	█ 101.9	---	---
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CONTAMINATION

Water	%	▲ 4.42	█ 0.170	---	---
Silicon	ppm	█ 13	▲ 22	---	---
Sodium	ppm	█ 5	█ 4	---	---
Potassium	ppm	█ 4	█ 0	---	---

WEAR METALS

PQ		█ 26	█ 19.0	---	---
Iron	ppm	█ 39	█ 47	---	---
Copper	ppm	█ 14	█ 11	---	---
Lead	ppm	█ 2	█ 0	---	---
Tin	ppm	█ 3	█ 0	---	---
Aluminum	ppm	█ 5	█ 2	---	---
Chromium	ppm	█ <1	<1	---	---
Molybdenum	ppm	█ 0	█ 0	---	---
Nickel	ppm	█ 2	<1	---	---
Titanium	ppm	█ 0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	█ 6	2	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 13	█ 4	---	---
Magnesium	ppm	█ 15	█ 6	---	---
Zinc	ppm	█ 45	█ 4	---	---
Phosphorus	ppm	█ 1446	█ 1186	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 243	█ 255	---	---

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: 10942297
Signed: Don Baldrige
Report Date: 27 Mar 2024

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GRAPHS

