

OIL ANALYSIS REPORT

VOLVO PENTA

DIMILLOS R816671M VOLVO PENTA 3885956 - REVERSE GEAR - GEARBOX

Sample No: VPA060442
Oil Type: VOLVO AT 102

SAMPLE INFORMATION

Sample Number	VPA060442	VPA045460	---	---
Sample Date	17 Nov 2023	29 Sep 2022	---	---
Machine Hours	623	613	---	---
Oil Hours	623	613	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ATTENTION	SEVERE	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 26.7	█ 18.0	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 4	█ 7	---	---
Sodium	ppm	█ 1	█ 2	---	---
Potassium	ppm	█ 2	█ 3	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Clutch wear is indicated. 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		█ 20	█ 13	---	---
Iron	ppm	█ 16	█ 54	---	---
Copper	ppm	█ 47	● 164	---	---
Lead	ppm	▲ 158	● 545	---	---
Tin	ppm	█ <1	█ 4	---	---
Aluminum	ppm	█ <1	█ 4	---	---
Chromium	ppm	█ 0	0	---	---
Molybdenum	ppm	█ 0	1	---	---
Nickel	ppm	█ 0	1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ <1	2	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	█ 128	39	---	---
Magnesium	ppm	█ 2	0	---	---
Zinc	ppm	█ 62	150	---	---
Phosphorus	ppm	█ 333	246	---	---
Barium	ppm	82	308	---	---
Boron	ppm	█ 132	117	---	---

Depot: VP153549
Unique No: 10755893
Signed: Jonathan Hester
Report Date: 28 Nov 2023

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GRAPHS

