

OIL ANALYSIS REPORT

**VOLVO
PENTA**

MATT GRUNTER 42075 30384H - INBOARD - GEARBOX

Sample No: VPA044551

Oil Type: SHELL ROTELLA S 30

SAMPLE INFORMATION

Sample Number	VPA044551	---	---	---
Sample Date	29 Jun 2023	---	---	---
Machine Hours	2880	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 94.5	---	---	---
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CONTAMINATION

Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 1	---	---	---

WEAR METALS

PQ		■ 50	---	---	---
Iron	ppm	■ 88	---	---	---
Copper	ppm	▲ 270	---	---	---
Lead	ppm	▲ 420	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 2815	---	---	---
Magnesium	ppm	■ 20	---	---	---
Zinc	ppm	■ 759	---	---	---
Phosphorus	ppm	■ 691	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 6	---	---	---

INTERSTATE POWER SYSTEMS

2901 E 78TH ST
MINNEAPOLIS, MN
US 55425

Contact: BRADY GARBRECHT
brady.garbrecht@istate.com

T:
F:

Diagnosis

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. Copper and lead ppm levels are abnormal. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP1103105
Unique No: 10538956
Signed: Angela Borella
Report Date: 06 Jul 2023

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GRAPHS

