

OIL ANALYSIS REPORT

VOLVO PENTA

BOOMERANG 4007 2262419 - INBOARD - PORT GEARBOX

Sample No: VPA052374
Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA052374	VPA046293	VPA031326	VPA029392
Sample Date	03 Jan 2024	09 Jan 2023	13 Jan 2022	09 Jan 2020
Machine Hours	564	511	446	198
Oil Hours	50	64	119	0
Oil Changed	Changed	Changed	Not Changd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

The Talaria Company

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OIL CONDITION

Visc @ 40°C	cSt	■ 93.5	■ 98.3	■ 103	■ 107
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 8	■ 4	■ 4	■ 4
Sodium	ppm	■ 13	■ 0	■ 40	■ 2
Potassium	ppm	■ 0	■ 2	■ <1	■ 0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal for OEM. 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	■ 22	■ 25	■ 12
Iron	ppm	■ 64	■ 5	■ 62	■ 2
Copper	ppm	■ 51	■ 101	■ 98	■ 0
Lead	ppm	■ 3	■ 69	■ 5	■ 0
Tin	ppm	■ 0	■ 0	■ 0	■ 0
Aluminum	ppm	■ 3	■ 2	■ 7	■ 2
Chromium	ppm	■ <1	■ 0	<1	<1
Molybdenum	ppm	■ 97	■ 108	■ 88	■ 84
Nickel	ppm	■ 0	■ 0	0	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	■ <1	■ <1	■ <1	■ 0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	■ 2299	■ 2392	■ 2257	■ 2083
Magnesium	ppm	■ 70	50	■ 185	■ 196
Zinc	ppm	■ 1044	■ 1019	■ 886	■ 861
Phosphorus	ppm	■ 959	■ 940	■ 860	■ 715
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 4	■ 0	■ 5	■ 2

Depot: VP592286
Unique No: 10884871
Signed: Sean Felton
Report Date: 20 Feb 2024

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GRAPHS

