

OIL ANALYSIS REPORT

VOLVO PENTA

DEAR ABBY 2314764 - INBOARD - PORT GEARBOX

Sample No: VPA047829
Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA047829	VPA041376	VPA031323	VPA031296
Sample Date	20 Nov 2023	12 Jan 2023	20 Jan 2022	29 Oct 2021
Machine Hours	502	370	298	423
Oil Hours	131	72	0	0
Oil Changed	Changed	N/A	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

The Talaria Company

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OIL CONDITION

Visc @ 40°C	cSt	■ 85.3	■ 92.3	■ 98.3	■ 109
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 7	■ 3	■ 4	■ 4
Sodium	ppm	■ 2	■ 2	■ <1	■ 5
Potassium	ppm	■ 0	■ 0	■ <1	■ 0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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		■ 21	■ 17	■ 17	■ 26
Iron	ppm	■ 15	■ 10	■ 12	■ 15
Copper	ppm	■ 5	■ 21	■ 16	■ 15
Lead	ppm	■ 0	■ 1	■ 1	■ 2
Tin	ppm	■ 0	■ <1	■ <1	■ <1
Aluminum	ppm	■ 1	■ <1	■ 3	■ 4
Chromium	ppm	■ 0	■ <1	<1	<1
Molybdenum	ppm	■ 110	■ 103	■ 95	■ 107
Nickel	ppm	■ 0	■ 0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	■ 0	■ <1	■ <1	■ <1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	■ 2796	■ 2329	■ 2432	■ 2446
Magnesium	ppm	46	■ 74	■ 189	■ 167
Zinc	ppm	■ 1224	■ 997	■ 966	■ 1004
Phosphorus	ppm	■ 1084	■ 893	■ 942	■ 906
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 13	■ 9	■ 7	■ 5

Depot: VP592286
Unique No: 10768631
Signed: Jonathan Hester
Report Date: 06 Dec 2023

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GRAPHS

