

OIL ANALYSIS REPORT

VOLVO PENTA

DEAR ABBY 2289817 - INBOARD - STARBOARD GEARBOX

Sample No: VPA047832
Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA047832	VPA046297	VPA031320	VPA028745
Sample Date	20 Nov 2023	12 Jan 2023	20 Jan 2022	24 Feb 2021
Machine Hours	502	374	302	139
Oil Hours	130	72	0	0
Oil Changed	Changed	N/A	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

The Talaria Company

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OIL CONDITION

Visc @ 40°C	cSt	■ 84.2	■ 91.5	■ 95.4	▲ 92.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 2	■ 7	■ 7	■ 7
Sodium	ppm	■ 2	■ 2	■ 0	■ 2
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		■ 22	■ 22	■ 28	■ 23
Iron	ppm	■ 10	■ 21	■ 27	■ 17
Copper	ppm	■ 14	■ 9	■ 10	■ 8
Lead	ppm	■ 0	■ 1	■ 1	■ 6
Tin	ppm	■ 0	■ <1	■ <1	■ 0
Aluminum	ppm	■ <1	■ 2	■ 4	■ 2
Chromium	ppm	■ 0	■ <1	<1	<1
Molybdenum	ppm	■ 109	■ 109	■ 83	52
Nickel	ppm	■ 0	■ 0	0	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	■ 0	■ <1	■ <1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	■ 2706	■ 2725	■ 2626	3291
Magnesium	ppm	■ 78	■ 72	■ 148	80
Zinc	ppm	■ 1218	■ 1104	■ 941	1096
Phosphorus	ppm	■ 1097	■ 1001	■ 939	951
Barium	ppm	■ 0	■ 0	■ 0	0
Boron	ppm	■ 9	■ 44	111	260

Depot: VP592286
Unique No: 10768628
Signed: Jonathan Hester
Report Date: 06 Dec 2023

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GRAPHS

