

OIL ANALYSIS REPORT

VOLVO PENTA

JULIE ANNE 20297205 - INBOARD - PORT GEARBOX

Sample No: VPA060631

Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA060631	VPA041353	VPA041312	VPA025330
Sample Date	30 Nov 2023	10 Jan 2023	05 Jan 2023	12 Jan 2022
Machine Hours	330	249	250	188
Oil Hours	0	0	59	59
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

The Talaria Company

202 Banks St., One Little Harbor Landing
OXFORD, MD

US 21654

Contact: TRACY PELLERIN

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OIL CONDITION

Visc @ 40°C	cSt	■ 89.5	■ 92.7	■ 92.8	■ 98.1
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CONTAMINATION

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

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		■ 23	■ 11	■ 12	■ 17
Iron	ppm	■ 3	■ 7	■ 8	■ 16
Copper	ppm	■ 36	■ 64	■ 67	■ 139
Lead	ppm	■ 0	■ <1	■ <1	■ 2
Tin	ppm	■ <1	■ 0	■ 0	■ <1
Aluminum	ppm	■ 2	■ <1	■ <1	■ 4
Chromium	ppm	■ <1	■ <1	■ 0	<1
Molybdenum	ppm	■ 111	■ 97	■ 99	■ 83
Nickel	ppm	■ 0	■ 0	■ 0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	2	0	0	<1
Manganese	ppm	■ <1	■ <1	■ <1	■ <1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	■ 2544	■ 2240	■ 2264	■ 1914
Magnesium	ppm	■ 44	■ 123	■ 122	■ 348
Zinc	ppm	■ 1146	■ 999	■ 969	■ 885
Phosphorus	ppm	■ 1043	■ 909	■ 898	■ 859
Barium	ppm	■ 0	■ 0	■ 0	■ <1
Boron	ppm	■ 5	■ 3	■ 4	■ 6

Depot: VP592286

Unique No: 10779509

Signed: Jonathan Hester

Report Date: 14 Dec 2023

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GRAPHS

