

OIL ANALYSIS REPORT

VOLVO PENTA

BOLLYMENA 20064296 - INBOARD - CENTER GEARBOX

Sample No: VPA058714
Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA058714	VPA046272	VPA043565	VPA031452
Sample Date	11 Dec 2023	13 Jan 2023	27 Dec 2021	26 Jan 2021
Machine Hours	465	446	419	84
Oil Hours	20	26	0	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	■ 89.5	■ 93.8	■ 103	■ 101
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 7	■ 7	■ 11	■ 12
Sodium	ppm	■ 0	■ 2	■ 3	■ 2
Potassium	ppm	■ 2	■ 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		■ 19	■ 19	■ 25	■ 21
Iron	ppm	■ 6	■ 7	■ 10	■ 6
Copper	ppm	■ 20	■ 28	■ 36	■ 36
Lead	ppm	■ <1	■ <1	■ 0	■ <1
Tin	ppm	■ <1	■ <1	■ <1	■ 1
Aluminum	ppm	■ 3	■ <1	■ 1	■ 0
Chromium	ppm	■ <1	■ 0	<1	0
Molybdenum	ppm	■ 111	■ 107	■ 103	■ 98
Nickel	ppm	■ <1	■ 0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	■ <1	■ <1	■ <1	■ <1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	■ 2608	■ 2431	■ 2273	■ 2128
Magnesium	ppm	■ 31	■ 59	■ 168	■ 197
Zinc	ppm	■ 1147	■ 1039	■ 967	■ 891
Phosphorus	ppm	■ 1045	■ 927	■ 872	■ 848
Barium	ppm	■ 8	■ 0	■ 0	■ 0
Boron	ppm	■ 7	■ 5	■ 0	■ 7

Depot: VP592286
Unique No: 10794845
Signed: Angela Borella
Report Date: 21 Dec 2023

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GRAPHS

