

OIL ANALYSIS REPORT

VOLVO PENTA

TRIDENT 10072 20120866 - INBOARD - CENTER GEARBOX

Sample No: VPA058256
Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA058256	VPA025359	VPA028719	VPA032568
Sample Date	14 Nov 2023	23 Jan 2023	03 Dec 2021	04 Nov 2020
Machine Hours	602	547	495	441
Oil Hours	55	51	0	0
Oil Changed	N/A	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

The Talaria Company

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OIL CONDITION

Visc @ 40°C	cSt	■ 87.4	■ 92.4	■ 101	■ 103
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 5	■ 3	■ 4	■ 4
Sodium	ppm	■ 0	■ 2	■ 0	■ 3
Potassium	ppm	■ 1	■ 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		■ 44	■ 15	■ 44	■ 53
Iron	ppm	■ 31	■ 12	■ 35	■ 21
Copper	ppm	■ 109	■ 103	▲ 137	■ 121
Lead	ppm	■ 0	■ <1	■ <1	■ <1
Tin	ppm	■ <1	■ <1	■ <1	■ <1
Aluminum	ppm	■ 1	■ 1	■ 2	■ <1
Chromium	ppm	■ 0	■ <1	<1	<1
Molybdenum	ppm	■ 123	105	97	93
Nickel	ppm	■ 0	■ 0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	■ 0	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	■ 2767	2382	2448	1982
Magnesium	ppm	■ 29	54	173	189
Zinc	ppm	■ 1204	1017	972	914
Phosphorus	ppm	■ 1060	909	938	787
Barium	ppm	■ 0	0	0	0
Boron	ppm	■ 3	5	15	6

Depot: VP592286
Unique No: 10751869
Signed: Jonathan Hester
Report Date: 22 Nov 2023

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GRAPHS

