

OIL ANALYSIS REPORT



@VENTURE E12 20289514 - INBOARD - PORT GEARBOX

Sample No: VPA060629
Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA060629	VPA044206	VPA025339	VPA033140
Sample Date	01 Dec 2023	14 Dec 2022	23 Dec 2021	04 Jan 2021
Machine Hours	653	573	530	0
Oil Hours	68	0	104	0
Oil Changed	Changed	Changed	Not Changd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	90.9	97.4	103	99.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	3	3
Sodium	ppm	3	7	7	17
Potassium	ppm	0	0	0	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		11	8	21	21
Iron	ppm	2	5	6	8
Copper	ppm	91	92	90	122
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	1	<1	<1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	110	100	95	88
Nickel	ppm	0	0	0	1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	2507	2345	2156	2161
Magnesium	ppm	53	97	211	203
Zinc	ppm	1143	967	930	933
Phosphorus	ppm	1033	902	830	859
Barium	ppm	0	0	0	0
Boron	ppm	6	7	0	5

Depot: VP592286
Unique No: 10779520
Signed: Jonathan Hester
Report Date: 14 Dec 2023

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VOLVO PENTA

GRAPHS

