

OIL ANALYSIS REPORT



BOOMERANG 4007 2262418 - INBOARD - STARBOARD GEARBOX

Sample No: VPA052371
 Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA052371	VPA046296	VPA031327	VPA029385
Sample Date	03 Jan 2024	09 Jan 2023	13 Jan 2022	07 Jan 2020
Machine Hours	563	510	446	199
Oil Hours	50	64	119	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	89.5	89.6	91.8	107
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	3	4	4
Sodium	ppm	17	30	63	2
Potassium	ppm	0	1	<1	0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal for OEM. 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		14	16	25	15
Iron	ppm	44	41	60	1
Copper	ppm	56	81	115	0
Lead	ppm	3	3	5	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	5	1
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	100	97	83	85
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	2337	2235	2204	2120
Magnesium	ppm	64	97	177	200
Zinc	ppm	1051	969	894	876
Phosphorus	ppm	977	893	876	717
Barium	ppm	0	0	0	0
Boron	ppm	2	0	4	1

Depot: VP592286
 Unique No: 10884872
 Signed: Sean Felton
 Report Date: 20 Feb 2024

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VOLVO PENTA

GRAPHS

