

OIL ANALYSIS REPORT

VOLVO PENTA

DORR WALTER VOLVO PENTA 3194010181 - STARBOARD IPS

Sample No: VPA055871
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA055871	VPA047210	VPA026211	VPA027759
Sample Date	27 Oct 2023	03 Dec 2022	23 Nov 2021	20 Jul 2020
Machine Hours	830	772	710	0
Oil Hours	60	70	70	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Bayview Yachtcrafters Inc
31785 S. River Road
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US 48045
Contact: Shawn Robertson
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OIL CONDITION

Visc @ 40°C	cSt	█ 109	█ 110	█ 110	█ 102
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CONTAMINATION

Silicon	ppm	█ 10	█ 10	█ 8	█ 34
Sodium	ppm	█ 0	█ <1	█ 2	█ 9
Potassium	ppm	█ 1	█ 0	█ 0	█ 0

WEAR METALS

PQ		█ 21	█ 16	█ 25	█ 24
Iron	ppm	█ 91	█ 62	█ 88	█ 199
Copper	ppm	█ 9	█ 8	█ 16	█ 36
Lead	ppm	█ 0	█ 0	█ 0	█ 2
Tin	ppm	█ 0	█ 0	█ 0	█ 0
Aluminum	ppm	█ 2	█ 2	█ 2	█ 3
Chromium	ppm	█ <1	█ <1	█ 1	█ 2
Molybdenum	ppm	█ <1	█ <1	█ <1	█ 0
Nickel	ppm	█ <1	█ 0	█ 1	█ 3
Titanium	ppm	█ <1	█ 0	█ 0	█ 0
Silver	ppm	█ 0	█ 0	█ <1	█ 0
Manganese	ppm	█ <1	█ <1	█ 1	█ 3
Vanadium	ppm	█ <1	█ 0	█ 0	█ 0

ADDITIVES

Calcium	ppm	█ 21	█ 9	█ 6	█ 7
Magnesium	ppm	█ 2	█ 2	█ <1	█ 4
Zinc	ppm	█ 7	█ 7	█ 3	█ 27
Phosphorus	ppm	█ 1394	█ 1290	█ 1484	█ 1192
Barium	ppm	█ <1	█ 0	█ 0	█ 0
Boron	ppm	█ 325	█ 326	█ 345	█ 202

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VP151756
Unique No: 10724363
Signed: Sean Felton
Report Date: 03 Nov 2023

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GRAPHS

