

OIL ANALYSIS REPORT

VOLVO PENTA

DICK SMITH GARRETT KONRAD 9812 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA048024

Oil Type: TORCO GL-6 FULL SYNTHETIC RACING TRANS FLUID

SAMPLE INFORMATION

Sample Number	VPA048024	VPA031785	VPA026208	VPA027767
Sample Date	23 May 2023	25 Jan 2022	19 Aug 2021	01 Aug 2020
Machine Hours	196	0	146	0
Oil Hours	44	20	22	30
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ATTENTION	ABNORMAL	ABNORMAL	ABNORMAL

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

Visc @ 40°C	cSt	■ 56.9	■ 103	■ 104	■ 102
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CONTAMINATION

Silicon	ppm	■ 3	■ 2	■ 3	■ 3
Sodium	ppm	■ 0	■ 0	■ 0	■ 0
Potassium	ppm	■ 1	■ 0	■ <1	■ 0

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. 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		■ 16	■ 22	■ 45	■ 33
Iron	ppm	▲ 266	■ 14	■ 54	■ 27
Copper	ppm	■ <1	■ <1	■ <1	■ <1
Lead	ppm	■ <1	■ 0	■ 0	■ 0
Tin	ppm	■ 0	■ 0	■ 0	■ 0
Aluminum	ppm	■ 5	■ 3	■ 4	■ 4
Chromium	ppm	■ 1	<1	<1	<1
Molybdenum	ppm	■ 0	7	4	8
Nickel	ppm	■ 2	0	<1	0
Titanium	ppm	■ 0	0	<1	<1
Silver	ppm	■ 0	<1	<1	<1
Manganese	ppm	■ 4	<1	<1	<1
Vanadium	ppm	■ 0	0	0	0

ADDITIVES

Calcium	ppm	■ 9	89	80	181
Magnesium	ppm	■ 19	25	24	25
Zinc	ppm	■ 1	46	38	74
Phosphorus	ppm	■ 288	1391	1424	1375
Barium	ppm	■ 0	0	0	0
Boron	ppm	■ 8	320	323	320

Depot: VP151756
Unique No: 10537419
Signed: Jonathan Hester
Report Date: 03 Jul 2023

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GRAPHS

