

OIL ANALYSIS REPORT

**VOLVO
PENTA**

VANUTA - TOKARZ DT MERCUISER OL768820 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA046373

Oil Type: QUICKSILVER/MERCURY 90W

SAMPLE INFORMATION

Sample Number	VPA046373	---	---	---
Sample Date	22 Jun 2023	---	---	---
Machine Hours	665	---	---	---
Oil Hours	15	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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CHICAGO, IL
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F:

OIL CONDITION

Visc @ 40°C	cSt	■ 156	---	---	---
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CONTAMINATION

Silicon	ppm	■ 1	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 3	---	---	---

Diagnosis

Oil and filter 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		■ 17	---	---	---
Iron	ppm	▲ 210	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	49	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	4	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	0	---	---	---
Phosphorus	ppm	218	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: VP1080862
Unique No: 10535180
Signed: Jonathan Hester
Report Date: 30 Jun 2023

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GRAPHS

