

OIL ANALYSIS REPORT



105200 GALATI 105200 VOLVO PENTA A1052132 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA044452
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA044452	VPA028652	VPA037161	---
Sample Date	14 Aug 2023	11 Jul 2022	02 Jun 2021	---
Machine Hours	211	172	70	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	ATTENTION	NORMAL	---

Suncoast Diesel Marine Inc.
 610 Mount Vernan St
 OLDSMAR, FL
 US 34677
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OIL CONDITION

Visc @ 40°C	cSt	█ 105	█ 102	█ 96.7	---
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CONTAMINATION

Silicon	ppm	█ 2	█ 2	█ 1	---
Sodium	ppm	█ 7	█ 25	█ 8	---
Potassium	ppm	█ 2	█ 0	█ <1	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. 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		█ 8	█ 16	█ 28	---
Iron	ppm	▲ 303	▲ 227	█ 59	---
Copper	ppm	█ <1	█ 2	█ 2	---
Lead	ppm	█ 0	█ 0	█ <1	---
Tin	ppm	█ 0	█ 0	█ 0	---
Aluminum	ppm	█ 2	█ 5	█ 1	---
Chromium	ppm	█ 3	3	4	---
Molybdenum	ppm	█ 0	█ <1	█ 1	---
Nickel	ppm	█ 3	5	2	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	█ 4	█ 7	█ 14	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	█ 11	█ 18	█ 27	---
Magnesium	ppm	█ 9	3	3	---
Zinc	ppm	█ 34	█ 34	█ 19	---
Phosphorus	ppm	█ 1484	█ 1294	█ 1306	---
Barium	ppm	█ 0	█ 0	█ 3	---
Boron	ppm	█ 253	█ 291	█ 252	---

Depot: VP945077
Unique No: 10615287
Signed: Doug Bogart
Report Date: 22 Aug 2023

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**VOLVO
PENTA**

GRAPHS

