

OIL ANALYSIS REPORT

VOLVO PENTA

MARILEE MIDI VOLVO PENTA 31950001319 - PORT IPS

Sample No: VPA049768

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA049768	VPA017435	---	---
Sample Date	08 Dec 2023	28 May 2018	---	---
Machine Hours	1842	512	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	ATTENTION	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 110	107.5	---	---
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CONTAMINATION

Water	%	█ 0.194	▲ 0.500	---	---
Silicon	ppm	█ 2	█ 8	---	---
Sodium	ppm	█ 2	█ <1	---	---
Potassium	ppm	█ <1	█ 6	---	---

WEAR METALS

PQ		█ 20	█ 24	---	---
Iron	ppm	█ 37	█ 21	---	---
Copper	ppm	█ 2	█ 2	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 0	█ <1	---	---
Chromium	ppm	█ 0	<1	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 0	<1	---	---
Titanium	ppm	█ 0	0	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	█ 0	0	---	---

ADDITIVES

Calcium	ppm	█ 11	█ 2	---	---
Magnesium	ppm	█ 5	█ 3	---	---
Zinc	ppm	█ 7	█ 3	---	---
Phosphorus	ppm	█ 1329	█ 1242	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 294	█ 257	---	---

Marine International Diesels Inc.
3600 HACIENDA BLVD UNIT G
DAVIE, FL
US 33314
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T:
F:

Diagnosis

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

Depot: VP694356
Unique No: 10806978
Signed: Angela Borella
Report Date: 28 Dec 2023

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GRAPHS

