

OIL ANALYSIS REPORT

**VOLVO
PENTA**

BORIS BENTCHEV BORIS BENTCHEV VOLVO PENTA 310000627 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA052318

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA052318	---	---	---
Sample Date	13 Feb 2024	---	---	---
Machine Hours	122	---	---	---
Oil Hours	122	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

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

Water	%	NEG	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 5	---	---	---

WEAR METALS

PQ		█ 19	---	---	---
Iron	ppm	█ 29	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 8	---	---	---
Magnesium	ppm	56	---	---	---
Zinc	ppm	█ 0	---	---	---
Phosphorus	ppm	█ 1366	---	---	---
Barium	ppm	█ 10	---	---	---
Boron	ppm	█ 300	---	---	---

Helmut's Marine Service

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SERVICE@HELMUTSMARINE.COM

T: x:

F: x:

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 acceptable for the time in service.

Depot: VP152741

Unique No: 10886157

Signed: Don Baldrige

Report Date: 21 Feb 2024

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GRAPHS

