

OIL ANALYSIS REPORT

VOLVO PENTA

ROSCOE ZF 20384142 - INBOARD - PORT GEARBOX

Sample No: VPA051770

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

SAMPLE INFORMATION

Sample Number	VPA051770	VPA034027	---	---
Sample Date	19 Jul 2023	22 Feb 2023	---	---
Machine Hours	1619	1032	---	---
Oil Hours	0	1032	---	---
Oil Changed	Not Changd	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

NEWT MARINE

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US 52001
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T:
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 105.5	█ 66.2	---	---
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CONTAMINATION

Water	%	---	█ 0.170	---	---
Silicon	ppm	█ 21	█ 4	---	---
Sodium	ppm	█ 4	█ 2	---	---
Potassium	ppm	█ 27	█ 1	---	---

WEAR METALS

PQ		█ 17	█ 13	---	---
Iron	ppm	█ 29	█ 17	---	---
Copper	ppm	█ 13	█ 34	---	---
Lead	ppm	█ 8	█ 1	---	---
Tin	ppm	█ 2	█ 2	---	---
Aluminum	ppm	█ 8	█ 2	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 75	█ 60	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 1	█ <1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 1704	1126	---	---
Magnesium	ppm	█ 863	930	---	---
Zinc	ppm	█ 1334	█ 1209	---	---
Phosphorus	ppm	█ 939	█ 1085	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 22	█ 8	---	---

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: VP99298099
Unique No: 10593019
Signed: Jonathan Hester
Report Date: 15 Aug 2023

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GRAPHS

