

OIL ANALYSIS REPORT

VOLVO PENTA

ROSCOE ZF 20384142 - INBOARD - PORT GEARBOX

Sample No: VPA051777

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

SAMPLE INFORMATION

Sample Number	VPA051777	VPA051770	VPA034027	---
Sample Date	19 Jul 2023	19 Jul 2023	22 Feb 2023	---
Machine Hours	1623	1619	1032	---
Oil Hours	0	0	1032	---
Oil Changed	Not Changd	Not Changd	Changed	---
Sample Status	NORMAL	---	ABNORMAL	---

NEWT MARINE

5 JONES ST
DUBUQUE, IA
US 52001
Contact: DON LEIK
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T:
F:

OIL CONDITION

Visc @ 40°C	cSt	99.9	---	66.2	---
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CONTAMINATION

Water	%	---	---	0.170	---
Silicon	ppm	15	21	4	---
Sodium	ppm	3	4	2	---
Potassium	ppm	10	27	1	---

WEAR METALS

PQ		12	---	13	---
Iron	ppm	22	29	17	---
Copper	ppm	10	13	34	---
Lead	ppm	2	8	1	---
Tin	ppm	2	2	2	---
Aluminum	ppm	5	8	2	---
Chromium	ppm	<1	1	<1	---
Molybdenum	ppm	72	75	60	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	1	<1	---
Vanadium	ppm	<1	<1	0	---

ADDITIVES

Calcium	ppm	1387	1704	1126	---
Magnesium	ppm	1038	863	930	---
Zinc	ppm	1375	1334	1209	---
Phosphorus	ppm	1074	939	1085	---
Barium	ppm	0	0	0	---
Boron	ppm	5	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: 10601760
Signed: Don Baldrige
Report Date: 12 Aug 2023

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GRAPHS

