

OIL ANALYSIS REPORT

VOLVO PENTA

NEWT MARINE MIKE ZF 20361032 - INBOARD - PORT GEARBOX

Sample No: VPA051774

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA051774	VPA038815	VPA026794	---
Sample Date	29 Aug 2023	13 Jul 2022	25 Oct 2021	---
Machine Hours	4821	2949	1907	---
Oil Hours	980	1042	981	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

NEWT MARINE

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

OIL CONDITION

Visc @ 40°C	cSt	70.4	70.3	70.8	---
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CONTAMINATION

Silicon	ppm	5	5	9	---
Sodium	ppm	1	2	2	---
Potassium	ppm	0	0	0	---

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.

WEAR METALS

PQ		16	25	19	---
Iron	ppm	15	14	15	---
Copper	ppm	15	16	24	---
Lead	ppm	3	5	10	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	0	<1	<1	---
Chromium	ppm	0	<1	0	---
Molybdenum	ppm	62	62	70	---
Nickel	ppm	<1	1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	0	---
Vanadium	ppm	<1	0	0	---

ADDITIVES

Calcium	ppm	1055	1066	1085	---
Magnesium	ppm	995	906	1029	---
Zinc	ppm	1243	1181	1179	---
Phosphorus	ppm	1056	1045	1116	---
Barium	ppm	0	0	0	---
Boron	ppm	3	8	10	---

Depot: VP99298099
Unique No: 10673767
Signed: Don Baldrige
Report Date: 04 Oct 2023

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GRAPHS

