

OIL ANALYSIS REPORT

VOLVO PENTA

CONSTABLE CONSTABLE ZF I30520295175 - INBOARD - PORT GEARBOX

Sample No: VPA027617

Oil Type: SAE 40W

SAMPLE INFORMATION

Sample Number	VPA027617	---	---	---
Sample Date	18 May 2020	---	---	---
Machine Hours	232	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Suncoast Diesel Marine Inc.

610 Mount Vernan St

OLDSMAR, FL

US 34677

Contact: MARK WARREN

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OIL CONDITION

Visc @ 40°C	cSt	51.6	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	15	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	<1	---	---	---

WEAR METALS

PQ		55	---	---	---
Iron	ppm	123	---	---	---
Copper	ppm	209	---	---	---
Lead	ppm	11	---	---	---
Tin	ppm	5	---	---	---
Aluminium	ppm	8	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	3	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	3560	---	---	---
Magnesium	ppm	17	---	---	---
Zinc	ppm	1376	---	---	---
Phosphorus	ppm	1183	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	120	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal for ZF gearbox. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP945077

Unique No: 9047367

Signed: Doug Bogart

Report Date: 02 Jun 2020

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GRAPHS

