

OIL ANALYSIS REPORT

VOLVO PENTA

1792 TWIN DISC 5JS013 - INBOARD - STARBOARD GEARBOX

Sample No: VPA059251
Oil Type: SHELL ROTELLA T 40

SAMPLE INFORMATION

Sample Number	VPA059251	---	---	---
Sample Date	08 Feb 2024	---	---	---
Machine Hours	1268	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 79.92	---	---	---
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CONTAMINATION

Water	%	▲ 0.388	---	---	---
Silicon	ppm	■ 21	---	---	---
Sodium	ppm	■ 39	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

PQ		▲ 192	---	---	---
Iron	ppm	▲ 264	---	---	---
Copper	ppm	● 518	---	---	---
Lead	ppm	● 549	---	---	---
Tin	ppm	■ 7	---	---	---
Aluminium	ppm	■ 6	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 39	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	1	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 3165	---	---	---
Magnesium	ppm	■ 108	---	---	---
Zinc	ppm	■ 990	---	---	---
Phosphorus	ppm	■ 1013	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 431	---	---	---

SMART DIESEL SERVICE

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Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Clutch and/or bushing/bearing wear is indicated. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants and wear.

Depot: VPSMAPLA
Unique No: 10873948
Signed: Doug Bogart
Report Date: 12 Feb 2024

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GRAPHS

