

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## CLEMENTINE 20005233 - INBOARD - STARBOARD GEARBOX

**Sample No:** VPA059893  
**Oil Type:** SHELL ROTELLA T 30

### SAMPLE INFORMATION

Sample Number	<b>VPA059893</b>	VPA046294	---	---
Sample Date	<b>25 Oct 2023</b>	09 Jan 2023	---	---
Machine Hours	<b>1034</b>	0	---	---
Oil Hours	<b>16</b>	14	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

### OIL CONDITION

Visc @ 40°C	cSt	<b>88.1</b>	90.6	---	---
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### CONTAMINATION

Silicon	ppm	<b>5</b>	6	---	---
Sodium	ppm	<b>4</b>	4	---	---
Potassium	ppm	<b>&lt;1</b>	2	---	---

### WEAR METALS

PQ		<b>9</b>	9	---	---
Iron	ppm	<b>13</b>	27	---	---
Copper	ppm	<b>62</b>	85	---	---
Lead	ppm	<b>64</b>	109	---	---
Tin	ppm	<b>0</b>	2	---	---
Aluminum	ppm	<b>1</b>	<1	---	---
Chromium	ppm	<b>0</b>	<1	---	---
Molybdenum	ppm	<b>104</b>	90	---	---
Nickel	ppm	<b>0</b>	1	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>&lt;1</b>	<1	---	---
Manganese	ppm	<b>&lt;1</b>	<1	---	---
Vanadium	ppm	<b>0</b>	0	---	---

### ADDITIVES

Calcium	ppm	<b>2493</b>	2661	---	---
Magnesium	ppm	<b>34</b>	16	---	---
Zinc	ppm	<b>1128</b>	1078	---	---
Phosphorus	ppm	<b>979</b>	997	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>7</b>	6	---	---

#### The Talaria Company

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#### 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 suitable for further service.

**Depot:** VP592286  
**Unique No:** 10722980  
**Signed:** Don Baldrige  
**Report Date:** 01 Nov 2023

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## GRAPHS

