

OIL ANALYSIS REPORT

**VOLVO
PENTA**

SEA DUTY JRM SEA DUTY - PORT GASOLINE ENGINE

Sample No: VPA047725

Oil Type: VOLVO 10W40

SAMPLE INFORMATION

Sample Number	VPA047725	---	---	---
Sample Date	01 Dec 2023	---	---	---
Machine Hours	618	---	---	---
Oil Hours	618	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 15.98	---	---	---
Base Number (BN)	mg KOH/g	█ 7.3	---	---	---
Oxidation (PA)	%	8	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	5	---	---	---
Sulfation (PA)	%	8	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	36	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	< 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1608	---	---	---
Magnesium	ppm	74	---	---	---
Zinc	ppm	821	---	---	---
Phosphorus	ppm	720	---	---	---
Barium	ppm	< 1	---	---	---
Boron	ppm	3	---	---	---

The Talaria Company

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F: x:

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VP592286

Unique No: 10794135

Signed: Jonathan Hester

Report Date: 27 Dec 2023

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GRAPHS

