

OIL ANALYSIS REPORT

**VOLVO
PENTA**

MOVEABLE FEAST 56666 - CENTER DIESEL ENGINE

Sample No: VPA059834

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA059834	VPA047822	VPA025314	---
Sample Date	01 Nov 2023	03 Apr 2023	01 Nov 2021	---
Machine Hours	785	787	729	---
Oil Hours	0	21	44	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 100°C	cSt	14.1	14.6	14.2	---
Base Number (BN)	mg KOH/g	8.2	9.0	---	---
Oxidation (PA)	%	65	67	72	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	50	51	61	---
Sulfation (PA)	%	56	58	60	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	2	2	2	---
Sodium	ppm	<1	2	2	---
Potassium	ppm	8	7	7	---

WEAR METALS

Iron	ppm	4	4	5	---
Copper	ppm	2	1	3	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	1	4	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	<1	2	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	2134	2112	2258	---
Magnesium	ppm	11	23	36	---
Zinc	ppm	1121	1220	1145	---
Phosphorus	ppm	949	987	1034	---
Barium	ppm	0	0	0	---
Boron	ppm	221	180	198	---

The Talaria Company

202 Banks St., One Little Harbor Landing
OXFORD, MD

US 21654

Contact: TRACY PELLERIN

tpellerin@hinckleyyachts.com

T: (410)770-4899

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 acceptable for the time in service.

Depot: VP592286

Unique No: 10751227

Signed: Angela Borella

Report Date: 21 Nov 2023

OIL ANALYSIS REPORT

**VOLVO
PENTA**

GRAPHS

