

OIL ANALYSIS REPORT

VOLVO PENTA

SEAQUILL 10072 B170157842 - GENSET

Sample No: VPA047905

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA047905	VPA025149	VPA034892	VPA027114
Sample Date	19 Oct 2023	29 Sep 2022	30 Sep 2020	10 Oct 2019
Machine Hours	227	198	140	94
Oil Hours	30	0	0	0
Oil Changed	N/A	Changed	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	█ 13.8	█ 13.8	█ 14.6
Base Number (BN)	mg KOH/g	█ 8.4	█ 10.8	---	---
Oxidation (PA)	%	62	68	67	63

CONTAMINATION

Soot %	%	█ 0	█ 0.1	█ 0.1	█ 0.4
Nitration (PA)	%	44	48	48	55
Sulfation (PA)	%	53	58	58	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	█ 5	█ 6	█ 7	█ 7
Sodium	ppm	█ 2	█ 2	█ 4	█ 3
Potassium	ppm	█ 7	█ 5	█ 8	█ 4

WEAR METALS

Iron	ppm	█ <1	█ <1	█ 5	█ 13
Copper	ppm	█ 2	█ <1	█ 2	█ 14
Lead	ppm	█ 0	█ 1	█ <1	█ 0
Tin	ppm	█ 0	█ <1	█ 0	█ <1
Aluminum	ppm	█ 1	█ 1	█ 0	█ 1
Chromium	ppm	█ 0	█ 0	█ 0	█ <1
Molybdenum	ppm	█ 5	█ 22	█ 4	█ 30
Nickel	ppm	█ <1	█ <1	█ <1	█ <1
Titanium	ppm	0	<1	█ 0	█ 0
Silver	ppm	█ 0	0	<1	<1
Manganese	ppm	█ <1	█ <1	█ <1	█ 1
Vanadium	ppm	<1	1	0	0

ADDITIVES

Calcium	ppm	█ 2013	█ 1750	█ 2130	█ 1566
Magnesium	ppm	118	█ 344	█ 32	█ 395
Zinc	ppm	█ 1237	█ 1140	█ 1124	█ 987
Phosphorus	ppm	█ 1011	█ 954	█ 978	█ 878
Barium	ppm	█ 0	█ 0	█ <1	█ 0
Boron	ppm	█ 175	█ 113	█ 219	█ 74

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: 10722497

Signed: Sean Felton

Report Date: 01 Nov 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

