

OIL ANALYSIS REPORT

VOLVO PENTA

JULIE ANNE PB 2570 - PORT DIESEL ENGINE

Sample No: VPA060602

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA060602	VPA046266	VPA046270	VPA025306
Sample Date	30 Nov 2023	10 Jan 2023	05 Jan 2023	12 Jan 2022
Machine Hours	330	249	250	188
Oil Hours	0	0	59	59
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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:

OIL CONDITION

Visc @ 100°C	cSt	14.3	14.9	14.6	14.8
Base Number (BN)	mg KOH/g	7.0	9.6	8.4	9.4
Oxidation (PA)	%	67	60	70	74

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.1	0.4	0.3
Nitration (PA)	%	60	50	64	65
Sulfation (PA)	%	57	52	59	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	11	3	14	25
Sodium	ppm	0	2	4	2
Potassium	ppm	8	3	7	5

WEAR METALS

Iron	ppm	42	3	62	62
Copper	ppm	32	4	39	27
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	1
Aluminum	ppm	7	1	15	24
Chromium	ppm	2	<1	3	2
Molybdenum	ppm	<1	4	6	15
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	2130	2183	2419	2191
Magnesium	ppm	14	15	25	72
Zinc	ppm	1119	1006	1195	1182
Phosphorus	ppm	947	797	1007	904
Barium	ppm	3	0	0	0
Boron	ppm	176	192	179	216

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: 10778832
Signed: Doug Bogart
Report Date: 11 Dec 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

