

OIL ANALYSIS REPORT



HOFFMANN WATERSPORTS BC/02 VOLVO PENTA A643737 - DIESEL ENGINE

Sample No: VPA035580
Oil Type: PROVIDENCE SYNTHETIC 15W40

SAMPLE INFORMATION

Sample Number	VPA035580	VPA035637	---	---
Sample Date	13 Mar 2024	28 Jul 2023	---	---
Machine Hours	6470	6031	---	---
Oil Hours	106	100	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Marco Island Ski & Water Sport
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 MARCO ISLAND, FL
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 Contact: Bradley Cotten
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 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	14.2	14.5	---	---
Base Number (BN)	mg KOH/g	10.2	8.9	---	---
Oxidation (PA)	%	61	59	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	54	52	---	---
Sulfation (PA)	%	50	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	3	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	5	2	---	---

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.

WEAR METALS

Iron	ppm	2	2	---	---
Copper	ppm	5	2	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	3	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	59	54	---	---
Nickel	ppm	2	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	1121	963	---	---
Magnesium	ppm	1070	863	---	---
Zinc	ppm	1367	1125	---	---
Phosphorus	ppm	1124	912	---	---
Barium	ppm	0	0	---	---
Boron	ppm	3	4	---	---

Depot: VP153258
Unique No: 10943203
Signed: Don Baldrige
Report Date: 28 Mar 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

