

OIL ANALYSIS REPORT

VOLVO PENTA

MCGUIRE - ENCORE ENCORE VOLVO PENTA 2003018715 - STARBOARD DIESEL ENGINE

Sample No: VPA040335

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA040335	VPA033176	---	---
Sample Date	27 Sep 2022	19 Oct 2021	---	---
Machine Hours	967	921	---	---
Oil Hours	46	42	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

McMichael Yacht Yard No1 Inc

700 Rushmore Ave
MAMARONECK, NY
US 10543

Contact: Patti Hornidge
rushmore@mcmyacht.com

T:
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 103	█ 113	---	---
-------------	-----	-------	-------	-----	-----

CONTAMINATION

Water	%	NEG	NEG	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 7	█ 11	---	---
Sodium	ppm	█ 57	█ 7	---	---
Potassium	ppm	█ 95	█ 14	---	---

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 condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 29	█ 121	---	---
Copper	ppm	█ 13	█ 24	---	---
Lead	ppm	█ 1	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 6	█ 19	---	---
Chromium	ppm	2	9	---	---
Molybdenum	ppm	█ 12	█ <1	---	---
Nickel	ppm	<1	2	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 2	█ <1	---	---
Vanadium	ppm	<1	<1	---	---

ADDITIVES

Calcium	ppm	█ 2336	█ 2419	---	---
Magnesium	ppm	█ 34	█ 14	---	---
Zinc	ppm	█ 1136	█ 1107	---	---
Phosphorus	ppm	█ 993	█ 981	---	---
Barium	ppm	█ 2	█ 0	---	---
Boron	ppm	█ 142	█ 171	---	---

Depot: VP153367
Unique No: 10179283
Signed: Don Baldrige
Report Date: 19 Oct 2022

OIL ANALYSIS REPORT



GRAPHS

