

OIL ANALYSIS REPORT

VOLVO PENTA

D. BOMAR CATERPILLAR 8NM03726 - STARBOARD DIESEL ENGINE

Sample No: VPA045595

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA045595	---	---	---
Sample Date	11 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Aqua Yacht Harbor Marina
3832 Hwy. 25 North, 3832 Hwy. 25 North
IUKA, MS
US 38852
Contact: DENNIS KANIZAI
dkanizai@shmarinas.com
T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.7	---	---	---
Base Number (BN)	mg KOH/g	█ 7.8	---	---	---
Oxidation (PA)	%	70	---	---	---

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.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.8	---	---	---
Nitration (PA)	%	69	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 7	---	---	---

WEAR METALS

Iron	ppm	█ 32	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 6	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2332	---	---	---
Magnesium	ppm	█ 50	---	---	---
Zinc	ppm	█ 1257	---	---	---
Phosphorus	ppm	█ 973	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 169	---	---	---

Depot: VP299833
Unique No: 10980210
Signed: Don Baldrige
Report Date: 18 Apr 2024

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GRAPHS

