

OIL ANALYSIS REPORT

VOLVO PENTA

FELDMAN CUMMINS 46591656 - STARBOARD DIESEL ENGINE

Sample No: VPA012853

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA012853	---	---	---
Sample Date	01 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Lockwood Boat Works Inc
1825 Highway 35, Morgan
SOUTH AMBOY, NJ
US 08879
Contact: Ellen Lockwood
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T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	64	---	---	---

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 %	%	█ 0.1	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 8	---	---	---

WEAR METALS

Iron	ppm	█ 18	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 60	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ < 1	---	---	---
Manganese	ppm	< 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1125	---	---	---
Magnesium	ppm	█ 877	---	---	---
Zinc	ppm	█ 1198	---	---	---
Phosphorus	ppm	█ 942	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 5	---	---	---

Depot: VP153187
Unique No: 10777213
Signed: Angela Borella
Report Date: 08 Dec 2023

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GRAPHS

