

OIL ANALYSIS REPORT

VOLVO PENTA

JAKE FARLEY NORTHERN LIGHTS 8642-36501C - STARBOARD GENSET

Sample No: VPA051735

Oil Type: CAT DIESEL ENGINE OIL 15W40

SAMPLE INFORMATION

Sample Number	VPA051735	---	---	---
Sample Date	14 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	100	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	---	---	---
Base Number (BN)	mg KOH/g	█ 8.9	---	---	---
Oxidation (PA)	%	46	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	51	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 9	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 45	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1695	---	---	---
Magnesium	ppm	█ 558	---	---	---
Zinc	ppm	█ 949	---	---	---
Phosphorus	ppm	█ 813	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 138	---	---	---

Edward's Marine and Sons

12741 Sunset Ave
OCEAN CITY, MD
US 21842

Contact: Edward Bartholme
edwardsmarine@comcast.net;canastasio@wearcheckusa.com

T:
F:

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.

Depot: VP551029
Unique No: 10618328
Signed: Sean Felton
Report Date: 25 Aug 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

