

OIL ANALYSIS REPORT

VOLVO PENTA

RICHARD CANNY ONAN D110210256 - GENSET

Sample No: VPA042409

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA042409	VPA028518	---	---
Sample Date	15 Feb 2023	24 Feb 2022	---	---
Machine Hours	85	80	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Jefferson Beach Yacht Sales Inc

24400 Jefferson Ave.
SAINT CLAIR SHORES, MI
US 48080

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	█ 13.2	---	---
Base Number (BN)	mg KOH/g	█ 9.9	8.3	---	---
Oxidation (PA)	%	55	49	---	---

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.

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	40	42	---	---
Sulfation (PA)	%	50	43	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 6	---	---
Sodium	ppm	█ <1	█ 2	---	---
Potassium	ppm	█ 2	█ 0	---	---

WEAR METALS

Iron	ppm	█ 4	█ 9	---	---
Copper	ppm	█ <1	█ 1	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ 2	---	---
Aluminum	ppm	█ 1	█ 4	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 57	53	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	<1	---	---
Manganese	ppm	█ 1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1106	989	---	---
Magnesium	ppm	█ 994	888	---	---
Zinc	ppm	█ 1285	1034	---	---
Phosphorus	ppm	█ 989	969	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ <1	15	---	---

Depot: VP297371

Unique No: 10351219

Signed: Angela Borella

Report Date: 27 Feb 2023

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GRAPHS

