

OIL ANALYSIS REPORT



BELLA LUNA FISCHER PANDA BELLA LUNA (S/N NOT GIVEN) - GENSET

Sample No: VPA058509
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA058509	VPA045323	---	---
Sample Date	15 Dec 2023	28 Mar 2023	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

Outstanding Marine
 PO Box 274
 GALENA, MD
 US 21635
 Contact: Ronda Bolinger
 rlwb@verizon.net
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	14.0	13.1	---	---
Base Number (BN)	mg KOH/g	10.2	9.9	---	---
Oxidation (PA)	%	44	59	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	35	49	---	---
Sulfation (PA)	%	55	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	16	14	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	<1	<1	---	---

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.

WEAR METALS

Iron	ppm	<1	2	---	---
Copper	ppm	<1	1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	38	58	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	684	1013	---	---
Magnesium	ppm	686	909	---	---
Zinc	ppm	853	1183	---	---
Phosphorus	ppm	1108	974	---	---
Barium	ppm	0	0	---	---
Boron	ppm	102	7	---	---

Depot: VP153685
Unique No: 10792803
Signed: Don Baldrige
Report Date: 20 Dec 2023

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VOLVO PENTA

GRAPHS

