

OIL ANALYSIS REPORT



3501 TURTLE DOVE FISCHER PANDA 172670 - CENTER GENSET

Sample No: VPA049737
Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA049737	VPA048459	---	---
Sample Date	06 Nov 2023	01 Oct 2022	---	---
Machine Hours	744	662	---	---
Oil Hours	0	150	---	---
Oil Changed	Not Changd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

GRAND BANKS

450 SW SALEM RD
 STUART, FL
 US 34994
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OIL CONDITION

Visc @ 100°C	cSt	13.54	13.0	---	---
Base Number (BN)	mg KOH/g	8.1	10.9	---	---
Oxidation (PA)	%	69	63	---	---

CONTAMINATION

Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	48	50	---	---
Sulfation (PA)	%	57	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	1.0	<1.0	---	---
Silicon	ppm	8	11	---	---
Sodium	ppm	0	<1	---	---
Potassium	ppm	7	2	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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.

WEAR METALS

Iron	ppm	4	3	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	14	54	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1957	1227	---	---
Magnesium	ppm	195	852	---	---
Zinc	ppm	1155	1236	---	---
Phosphorus	ppm	1025	1032	---	---
Barium	ppm	5	0	---	---
Boron	ppm	175	20	---	---

Depot: VP531377
Unique No: 10729249
Signed: Doug Bogart
Report Date: 07 Nov 2023

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VOLVO PENTA

GRAPHS

