

OIL ANALYSIS REPORT



FRANK 3711/GT50-01 FISCHER PANDA C03-026-205 - CENTER GENSET

Sample No: VPA054959
Oil Type: SHELL 15W40

SAMPLE INFORMATION

Sample Number	VPA054959	VPA041389	---	---
Sample Date	03 May 2024	23 Jan 2023	---	---
Machine Hours	403	299	---	---
Oil Hours	0	200	---	---
Oil Changed	Changed	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	13.7	14.3	---	---
Base Number (BN)	mg KOH/g	9.2	8.6	---	---
Oxidation (PA)	%	65	65	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	51	47	---	---
Sulfation (PA)	%	53	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	9	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	4	10	---	---

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	2	3	---	---
Copper	ppm	2	1	---	---
Lead	ppm	<1	3	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	38	2	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	<1	---	---

ADDITIVES

Calcium	ppm	1643	2245	---	---
Magnesium	ppm	391	39	---	---
Zinc	ppm	1138	1368	---	---
Phosphorus	ppm	1038	1106	---	---
Barium	ppm	2	0	---	---
Boron	ppm	96	208	---	---

Depot: VP531377
Unique No: 11022888
Signed: Sean Felton
Report Date: 14 May 2024

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VOLVO PENTA

GRAPHS

