

OIL ANALYSIS REPORT



LEE RICHARDSON PB 65-16/3754 FISCHER PANDA 1902829 - CENTER GENSET

Sample No: VPA053510
Oil Type: SHELL 15W40

SAMPLE INFORMATION

Sample Number	VPA053510	---	---	---
Sample Date	21 Mar 2024	---	---	---
Machine Hours	518	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

GRAND BANKS
 450 SW SALEM RD
 STUART, FL
 US 34994
 Contact: ROBERT ANTONA
 roberta@gbmarinegroup.com
 T: (609)384-5290
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	7.8	---	---	---
Oxidation (PA)	%	61	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ <1	---	---	---

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	█ 4	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 70	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

Diagnosis

ADDITIVES

Calcium	ppm	█ 1670	---	---	---
Magnesium	ppm	█ 337	---	---	---
Zinc	ppm	█ 1220	---	---	---
Phosphorus	ppm	█ 1040	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 396	---	---	---

Depot: VP531377
Unique No: 10955036
Signed: Sean Felton
Report Date: 04 Apr 2024

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VOLVO PENTA

GRAPHS

