

OIL ANALYSIS REPORT



PB5519 FISCHER PANDA C08-059-366 - CENTER GENSET

Sample No: VPA034278
Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA034278	VPA051813	---	---
Sample Date	12 Mar 2024	21 Sep 2023	---	---
Machine Hours	1900	1835	---	---
Oil Hours	100	150	---	---
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	12.9	13.0	---	---
Base Number (BN)	mg KOH/g	9.9	9.2	---	---
Oxidation (PA)	%	59	62	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	48	54	---	---
Sulfation (PA)	%	52	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	5	---	---
Sodium	ppm	5	<1	---	---
Potassium	ppm	45	2	---	---

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	24	27	---	---
Copper	ppm	2	<1	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	1	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	59	65	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1029	1194	---	---
Magnesium	ppm	959	983	---	---
Zinc	ppm	1231	1369	---	---
Phosphorus	ppm	1051	1117	---	---
Barium	ppm	0	0	---	---
Boron	ppm	4	3	---	---

Depot: VP531377
Unique No: 10928803
Signed: Sean Felton
Report Date: 19 Mar 2024

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GRAPHS

