

OIL ANALYSIS REPORT



SCHATZ M55711 - CENTER DIESEL ENGINE

Sample No: VPA058258
Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA058258	VPA041371	VPA043551	---
Sample Date	14 Nov 2023	18 Jan 2023	27 Dec 2021	---
Machine Hours	529	502	67	---
Oil Hours	27	49	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 100°C	cSt	13.8	13.9	14.2	---
Base Number (BN)	mg KOH/g	8.0	8.5	8.7	---
Oxidation (PA)	%	69	71	78	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.2	0.2	0.3	---
Nitration (PA)	%	58	63	71	---
Sulfation (PA)	%	58	60	63	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	3	4	4	---
Sodium	ppm	<1	3	7	---
Potassium	ppm	8	7	7	---

WEAR METALS

Iron	ppm	11	12	20	---
Copper	ppm	24	41	65	---
Lead	ppm	0	3	2	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	1	2	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	2	4	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	2235	2395	2260	---
Magnesium	ppm	12	29	16	---
Zinc	ppm	1175	1297	1124	---
Phosphorus	ppm	1003	1058	1004	---
Barium	ppm	0	0	0	---
Boron	ppm	219	185	164	---

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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.

Depot: VP592286
Unique No: 10751228
Signed: Angela Borella
Report Date: 21 Nov 2023

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GRAPHS

