

# OIL ANALYSIS REPORT



## GOLDEN DAZE CUMMINS F160967683 - GENSET

**Sample No:** VPA036365  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

### SAMPLE INFORMATION

Sample Number	VPA036365	VPA046223	---	---
Sample Date	29 Nov 2023	22 Feb 2023	---	---
Machine Hours	595	568	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	█ 13.1	---	---
Base Number (BN)	mg KOH/g	█ 9.9	█ 10.0	---	---
Oxidation (PA)	%	54	55	---	---

### 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.

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0	█ 0.1	---	---
Nitration (PA)	%	38	40	---	---
Sulfation (PA)	%	50	51	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 6	---	---
Sodium	ppm	█ <1	█ <1	---	---
Potassium	ppm	█ 0	█ 2	---	---

### WEAR METALS

Iron	ppm	█ 0	█ <1	---	---
Copper	ppm	█ <1	█ 0	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ 62	█ 56	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	█ 1184	█ 1124	---	---
Magnesium	ppm	█ 1130	█ 967	---	---
Zinc	ppm	█ 1542	█ 1319	---	---
Phosphorus	ppm	█ 1229	█ 1035	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 3	---	---

**Depot:** VP1298996  
**Unique No:** 10767386  
**Signed:** Don Baldrige  
**Report Date:** 05 Dec 2023

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# VOLVO PENTA

## GRAPHS

