



# CONSTRUCTION EQUIPMENT

## VOLVO G960 43149 - DIESEL ENGINE



**Sample No:** VCP430121  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP430121	---	---	---
Sample Date	22 Feb 2024	---	---	---
Machine Hours	6405	---	---	---
Oil Hours	6405	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**STRONGCO EQUIP (AB)**  
 6 - 38403 BURNT LAKE TRAIL  
 RED DEER COUNTY, AB  
 CA T4S 2L4  
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### OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	---	---	---
Oxidation (PA)	%	█ 133	---	---	---



### CONTAMINATION

Water	%	█ NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	█ 74	---	---	---
Sulfation (PA)	%	█ 82	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 1	---	---	---

### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 103	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ 0	---	---	---



### ADDITIVES

Calcium	ppm	█ 2101	---	---	---
Magnesium	ppm	█ 121	---	---	---
Zinc	ppm	█ 1128	---	---	---
Phosphorus	ppm	█ 982	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 97	---	---	---

**Depot:** VOLVO9652  
**Unique No:** 5735372  
**Signed:** Kevin Marson  
**Report Date:** 27 Feb 2024



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## GRAPHS

