



# CONSTRUCTION EQUIPMENT

2675-1 VOLVO A40G 342441 - DIESEL ENGINE



**Sample No:** VCP429150  
**Oil Type:** CHEVRON DELO 400 MULTIGRADE 15W40  
**Job No:** 2675-1



## SAMPLE INFORMATION

Sample Number	VCP429150	---	---	---
Sample Date	13 Oct 2023	---	---	---
Machine Hours	5519	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**MCCLUNG LOGAN**  
 17941 SUSSEX HIGHWAY  
 BRIDGEVILLE, DE  
 US 19933  
 Contact: MATT CLARK  
 MCLARK@mcclung-logan.com  
 T: (302)337-3400  
 F: (302)337-9083



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 8.2	---	---	---
Oxidation (PA)	%	51	---	---	---

## 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

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	47	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 58	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1161	---	---	---
Magnesium	ppm	█ 952	---	---	---
Zinc	ppm	█ 1331	---	---	---
Phosphorus	ppm	█ 1118	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 5	---	---	---

**Depot:** VOLVO1023  
**Unique No:** 10701659  
**Signed:** Don Baldrige  
**Report Date:** 21 Oct 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

