



# CONSTRUCTION EQUIPMENT

8-381487 VOLVO A40G 353346 - DIESEL ENGINE



**Sample No:** VCP297844  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 8-381487



**STRONGCO EQUIPMENT INC.**  
1640 ENTERPRISE ROAD  
MISSISSAUGA, ON  
CA L4W 4L4  
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## SAMPLE INFORMATION

Sample Number	VCP297844	VCP352187	---	---
Sample Date	13 Oct 2023	07 Jul 2023	---	---
Machine Hours	2010	1098	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



## OIL CONDITION

Visc @ 100°C	cSt	12.6	11.5	---	---
Oxidation (PA)	%	82	56	---	---



## CONTAMINATION

Soot %	%	0.2	0	---	---
Nitration (PA)	%	74	57	---	---
Sulfation (PA)	%	64	54	---	---
Glycol	%	NEG	0.0	---	---
Fuel	%	<1.0	0.8	---	---
Silicon	ppm	6	8	---	---
Sodium	ppm	3	2	---	---
Potassium	ppm	0	<1	---	---



## WEAR METALS

Iron	ppm	13	11	---	---
Copper	ppm	41	142	---	---
Lead	ppm	1	4	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	46	81	---	---
Nickel	ppm	2	1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	1728	1782	---	---
Magnesium	ppm	484	385	---	---
Zinc	ppm	1101	1131	---	---
Phosphorus	ppm	919	1016	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	20	52	---	---

## Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.  
All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** SHEMIS  
**Unique No:** 5671669  
**Signed:** Wes Davis  
**Report Date:** 07 Nov 2023



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## GRAPHS

