



# CONSTRUCTION EQUIPMENT

512280 LIBERTY GENIE S-65 S6011-22685 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP454247  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** 512280 LIBERTY



## SAMPLE INFORMATION

Sample Number	VCP454247	---	---	---
Sample Date	03 Apr 2024	---	---	---
Machine Hours	2050	---	---	---
Oil Hours	2050	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

### ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE  
BLOOMINGTON, IL  
US 61705  
Contact: MIKE MARTIN  
mike.martin@altaequipment.com  
T:  
F:



## OIL CONDITION

Visc @ 40°C	cSt	█ 138	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 45	---	---	---
Sodium	ppm	█ 22	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

Iron	ppm	▲ 792	---	---	---
Copper	ppm	▲ 154	---	---	---
Lead	ppm	▲ 568	---	---	---
Tin	ppm	█ 7	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 10	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 11	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 51	---	---	---
Magnesium	ppm	█ 7	---	---	---
Zinc	ppm	█ 75	---	---	---
Phosphorus	ppm	█ 229	---	---	---
Barium	ppm	█ 27	---	---	---
Boron	ppm	█ 11	---	---	---

### Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLVO5054  
**Unique No:** 10980884  
**Signed:** Jonathan Hester  
**Report Date:** 19 Apr 2024



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## GRAPHS

