



# CONSTRUCTION EQUIPMENT

674847 LAKE CONWAY VOLVO L20H 1220453 - REAR LEFT FINAL DRIVE



**Sample No:** VCP446884  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 674847 LAKE CONWAY



**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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## SAMPLE INFORMATION

Sample Number	VCP446884	---	---	---
Sample Date	20 Feb 2024	---	---	---
Machine Hours	1164	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	● 66.0	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 31	---	---	---
Sodium	ppm	■ 19	---	---	---
Potassium	ppm	■ 6	---	---	---



## WEAR METALS

Iron	ppm	■ 288	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 6	---	---	---
Chromium	ppm	■ 6	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 17	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	● 3447	---	---	---
Magnesium	ppm	■ 24	---	---	---
Zinc	ppm	● 1411	---	---	---
Phosphorus	ppm	● 1155	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 109	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

**Depot:** VOLVO0096  
**Unique No:** 10900285  
**Signed:** Jonathan Hester  
**Report Date:** 29 Feb 2024



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## GRAPHS

