



# CONSTRUCTION EQUIPMENT

8000384646 VOLVO EC140E 314835 - SWING DRIVE



**Sample No:** VCP392998  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 8000384646



## SAMPLE INFORMATION

Sample Number	VCP392998	---	---	---
Sample Date	10 Nov 2023	---	---	---
Machine Hours	2480	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**STRONGCO EQUIPMENT INC.**  
 55 ISNOR DRIVE, BURNSIDE INDUSTRIALPARK  
 DARTMOUTH, NS  
 CA B3B 1N6  
 Contact: Justin Hennigar  
 jhennigar@strongco.com  
 T: (902)468-5010  
 F: (902)468-2468



## OIL CONDITION

Visc @ 40°C	cSt	█ 170	---	---	---
-------------	-----	-------	-----	-----	-----



## CONTAMINATION

Silicon	ppm	█ 24	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---



## WEAR METALS

Iron	ppm	█ 295	---	---	---
Copper	ppm	▲ 61	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	10	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 44	---	---	---
Phosphorus	ppm	303	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	3	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Copper ppm levels are abnormal. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** SHEDAR  
**Unique No:** 5681981  
**Signed:** Kevin Marson  
**Report Date:** 16 Nov 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

