



# CONSTRUCTION EQUIPMENT

TREWORKS 8000387220 VOLVO ECR145E 316021 - REAR LEFT FINAL DRIVE



**Sample No:** VCP392028  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 8000387220



## SAMPLE INFORMATION

Sample Number	VCP392028	---	---	---
Sample Date	01 Dec 2023	---	---	---
Machine Hours	977	---	---	---
Oil Hours	977	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**STRONGCO EQUIPMENT INC.**  
55 ISNOR DRIVE, BURNSIDE INDUSTRIALPARK  
DARTMOUTH, NS  
CA B3B 1N6  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 140	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 138	---	---	---
Sodium	ppm	█ 17	---	---	---
Potassium	ppm	█ 7	---	---	---

## Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

PQ		█ 602	---	---	---
Iron	ppm	█ 1282	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	45	---	---	---
Aluminum	ppm	█ 26	---	---	---
Chromium	ppm	█ 23	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 18	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 30	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 42	---	---	---
Phosphorus	ppm	239	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	2	---	---	---

**Depot:** SHEDAR  
**Unique No:** 5694433  
**Signed:** Kevin Marson  
**Report Date:** 07 Dec 2023



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## GRAPHS

