



# CONSTRUCTION EQUIPMENT

TREWORKS 8000387220 VOLVO ECR145E 316021 - DIESEL ENGINE



**Sample No:** VCP392025  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 8000387220



## SAMPLE INFORMATION

Sample Number	VCP392025	---	---	---
Sample Date	01 Dec 2023	---	---	---
Machine Hours	977	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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

Visc @ 100°C	cSt	█ 12.7	---	---	---
Oxidation (PA)	%	█ 81	---	---	---



## CONTAMINATION

Water	%	█ NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	█ 66	---	---	---
Sulfation (PA)	%	█ 61	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ 1.7	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	█ 41	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 18	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 35	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1699	---	---	---
Magnesium	ppm	█ 438	---	---	---
Zinc	ppm	█ 1046	---	---	---
Phosphorus	ppm	█ 859	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 34	---	---	---

**Depot:** SHEDAR  
**Unique No:** 5694303  
**Signed:** Wes Davis  
**Report Date:** 07 Dec 2023



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## GRAPHS

