



CONSTRUCTION EQUIPMENT

TREWORKS 8000387220 VOLVO ECR145E 316021 - REAR RIGHT FINAL DRIVE



Sample No: VCP392023
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 8000387220



SAMPLE INFORMATION

Sample Number	VCP392023	---	---	---
Sample Date	01 Dec 2023	---	---	---
Machine Hours	977	---	---	---
Oil Hours	977	---	---	---
Oil Changed	N/A	---	---	---
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	█ 139	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 109	---	---	---
Sodium	ppm	█ 16	---	---	---
Potassium	ppm	█ 6	---	---	---

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		█ 603	---	---	---
Iron	ppm	█ 997	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	32	---	---	---
Aluminum	ppm	█ 21	---	---	---
Chromium	ppm	█ 18	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 5	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 15	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 27	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 39	---	---	---
Phosphorus	ppm	242	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	2	---	---	---

Depot: SHEDAR
Unique No: 5694432
Signed: Kevin Marson
Report Date: 07 Dec 2023



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GRAPHS

