



CONSTRUCTION EQUIPMENT

VOLVO ECR145EL 311251 - REAR RIGHT FINAL DRIVE



Sample No: VCP440094
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP440094	---	---	---
Sample Date	06 Mar 2024	---	---	---
Machine Hours	2772	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: ROBERT TURNER
 rturner@ripatampa.com



OIL CONDITION

Visc @ 40°C	cSt	● 278	---	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 52	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal.



WEAR METALS

Iron	ppm	▲ 730	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 6	---	---	---
Chromium	ppm	■ 8	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 8	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 91	---	---	---
Magnesium	ppm	■ 29	---	---	---
Zinc	ppm	■ 80	---	---	---
Phosphorus	ppm	■ 950	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 125	---	---	---

Depot: RIPTAM
Unique No: 10940889
Signed: Don Baldrige
Report Date: 26 Mar 2024

VOLVO **GRAPHS**

