



CONSTRUCTION EQUIPMENT

658920 VOLVO ECR145E 311261 - REAR LEFT FINAL DRIVE



Sample No: VCP449202
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 658920



SAMPLE INFORMATION

Sample Number	VCP449202	VCP317439	VCP233693	---
Sample Date	04 Jan 2024	12 May 2021	06 Dec 2018	---
Machine Hours	2833	1858	472	---
Oil Hours	1000	1858	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
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OIL CONDITION

Visc @ 40°C	cSt	264	269	139.9	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	72	▲ 83	13	---
Sodium	ppm	1	3	3	---
Potassium	ppm	1	<1	1	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	372	▲ 508	258	---
Copper	ppm	2	2	1	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	10	4	1	---
Chromium	ppm	5	8	5	---
Molybdenum	ppm	2	2	0	---
Nickel	ppm	3	4	<1	---
Titanium	ppm	1	<1	<1	---
Silver	ppm	0	8	0	---
Manganese	ppm	5	7	6	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	106	81	22	---
Magnesium	ppm	54	6	0	---
Zinc	ppm	89	41	14	---
Phosphorus	ppm	1059	892	226	---
Barium	ppm	0	0	2	---
Boron	ppm	76	149	2	---

Depot: RIPTAM
Unique No: 10862339
Signed: Wes Davis
Report Date: 06 Feb 2024



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VOLVO GRAPHS

