



CONSTRUCTION EQUIPMENT

658972 VOLVO ECR145E 311261 - REAR RIGHT FINAL DRIVE



Sample No: VCP452338
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 658972



SAMPLE INFORMATION

Sample Number	VCP452338	VCP317440	VCP233690	---
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	NORMAL	ABNORMAL	---

RIPA AND ASSOCIATES

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



OIL CONDITION

Visc @ 40°C	cSt	274	257	138.6	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	54	24	13	---
Sodium	ppm	2	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. Confirm oil type. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	343	300	226	---
Copper	ppm	1	1	<1	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	5	0	<1	---
Chromium	ppm	5	4	4	---
Molybdenum	ppm	3	1	0	---
Nickel	ppm	2	3	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	4	5	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	105	70	18	---
Magnesium	ppm	47	5	0	---
Zinc	ppm	87	37	17	---
Phosphorus	ppm	1018	809	202	---
Barium	ppm	0	0	<1	---
Boron	ppm	85	143	2	---

Depot: RIPTAM
Unique No: 10862331
Signed: Don Baldrige
Report Date: 07 Feb 2024



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VOLVO GRAPHS

