



CONSTRUCTION EQUIPMENT

715570 VOLVO ECR145EL 315939 - REAR RIGHT FINAL DRIVE



Sample No: VCP451475
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 715570



SAMPLE INFORMATION

Sample Number	VCP451475	VCP392712	VCP367204	---
Sample Date	14 Jun 2024	28 Apr 2023	12 Sep 2022	---
Machine Hours	2070	1009	495	---
Oil Hours	1000	500	495	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	275	235	139	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	8	9	11	---
Sodium	ppm	2	<1	2	---
Potassium	ppm	2	1	1	---



WEAR METALS

Iron	ppm	150	209	257	---
Copper	ppm	<1	0	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	▲ 12	▲ 18	▲ 21	---
Aluminum	ppm	2	<1	0	---
Chromium	ppm	2	4	5	---
Molybdenum	ppm	5	6	<1	---
Nickel	ppm	<1	1	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	4	6	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	74	144	29	---
Magnesium	ppm	27	43	<1	---
Zinc	ppm	81	121	25	---
Phosphorus	ppm	952	816	243	---
Barium	ppm	0	0	0	---
Boron	ppm	141	134	<1	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The tin level is abnormal. All other 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.

Depot: RIPTAM
Unique No: 11127025
Signed: Sean Felton
Report Date: 18 Jul 2024



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GRAPHS

