



CONSTRUCTION EQUIPMENT

VOLVO ECR145EL 314057 - REAR RIGHT FINAL DRIVE



Sample No: VCP454969
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP454969	VCP386061	---	---
Sample Date	10 May 2024	12 Sep 2022	---	---
Machine Hours	5111	2982	---	---
Oil Hours	0	500	---	---
Oil Changed	Not Changed	Changed	---	---
Sample Status	NORMAL	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	139	142	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	11	44	---	---
Sodium	ppm	4	8	---	---
Potassium	ppm	2	2	---	---

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	200	716	---	---
Copper	ppm	<1	1	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	9	31	---	---
Aluminum	ppm	<1	8	---	---
Chromium	ppm	4	13	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	5	13	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	12	75	---	---
Magnesium	ppm	0	2	---	---
Zinc	ppm	24	98	---	---
Phosphorus	ppm	281	541	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	6	---	---

Depot: RIPTAM
Unique No: 11036043
Signed: Sean Felton
Report Date: 22 May 2024



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GRAPHS

