



CONSTRUCTION EQUIPMENT

VOLVO ECR145EL 314057 - SWING DRIVE



Sample No: VCP449862
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP449862	VCP392693	VCP386065	---
Sample Date	10 May 2024	27 Jun 2023	12 Sep 2022	---
Machine Hours	5111	4163	2982	---
Oil Hours	0	1000	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

RIPA AND ASSOCIATES

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



OIL CONDITION

Visc @ 40°C	cSt	303	194	193	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	9	11	9	---
Sodium	ppm	<1	0	0	---
Potassium	ppm	2	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	340	691	531	---
Copper	ppm	14	19	14	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	3	<1	---
Chromium	ppm	3	5	4	---
Molybdenum	ppm	7	2	2	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	8	6	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	81	85	62	---
Magnesium	ppm	25	16	16	---
Zinc	ppm	90	129	109	---
Phosphorus	ppm	1073	625	600	---
Barium	ppm	0	0	0	---
Boron	ppm	158	51	54	---

Depot: RIPTAM
Unique No: 11036044
Signed: Wes Davis
Report Date: 22 May 2024



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GRAPHS

