



CONSTRUCTION EQUIPMENT

VOLVO ECR145EL 314057 - SWING DRIVE



Sample No: VCP392693
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP392693	VCP386065	---	---
Sample Date	27 Jun 2023	12 Sep 2022	---	---
Machine Hours	4163	2982	---	---
Oil Hours	1000	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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

OIL CONDITION

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

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

ADDITIVES

Calcium	ppm	85	62	---	---
Magnesium	ppm	16	16	---	---
Zinc	ppm	129	109	---	---
Phosphorus	ppm	625	600	---	---
Barium	ppm	0	0	---	---
Boron	ppm	51	54	---	---

Depot: RIPTAM
Unique No: 10559127
Signed: Don Baldrige
Report Date: 17 Jul 2023



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GRAPHS

