



CONSTRUCTION EQUIPMENT

VOLVO ECR145EL 315960 - SWING DRIVE



Sample No: VCP422688
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP422688	---	---	---
Sample Date	20 Jul 2023	---	---	---
Machine Hours	497	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

RIPA AND ASSOCIATES

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



OIL CONDITION

Visc @ 40°C	cSt	█ 171	---	---	---
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T:
F:



CONTAMINATION

Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 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	█ 86	---	---	---
Copper	ppm	█ 23	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 8	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 16	---	---	---
Phosphorus	ppm	█ 366	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 5	---	---	---

Depot: RIPTAM
Unique No: 10607523
Signed: Don Baldrige
Report Date: 18 Aug 2023



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GRAPHS

