



CONSTRUCTION EQUIPMENT

VOLVO EC60 312819 - REAR RIGHT FINAL DRIVE



Sample No: VCP416903
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP416903	---	---	---
Sample Date	09 Aug 2023	---	---	---
Machine Hours	1638	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

RIPA AND ASSOCIATES

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



OIL CONDITION

Visc @ 40°C	cSt	█ 259	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 181	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	▲ 1309	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 17	---	---	---
Chromium	ppm	▲ 24	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 13	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1072	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 295	---	---	---
Phosphorus	ppm	█ 1330	---	---	---
Barium	ppm	█ 5	---	---	---
Boron	ppm	█ 172	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: RIPTAM
Unique No: 10615339
Signed: Sean Felton
Report Date: 23 Aug 2023



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GRAPHS

