



CONSTRUCTION EQUIPMENT

658972 VOLVO ECR145E 311261 - SWING DRIVE



Sample No: VCP452341
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 658972



SAMPLE INFORMATION

Sample Number	VCP452341	VCP311985	---	---
Sample Date	04 Jan 2024	12 May 2021	---	---
Machine Hours	2833	1858	---	---
Oil Hours	1000	1000	---	---
Oil Changed	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	█ 254	█ 189	---	---
-------------	-----	-------	-------	-----	-----



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 6	█ 12	---	---
Sodium	ppm	█ <1	█ 2	---	---
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	█ 117	█ 503	---	---
Copper	ppm	█ 21	▲ 150	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	<1	---	---
Aluminum	ppm	█ 1	2	---	---
Chromium	ppm	█ 1	5	---	---
Molybdenum	ppm	█ 2	█ <1	---	---
Nickel	ppm	█ <1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 2	█ 10	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 139	█ 13	---	---
Magnesium	ppm	█ 67	█ 0	---	---
Zinc	ppm	█ 104	█ 102	---	---
Phosphorus	ppm	█ 893	█ 445	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 132	█ 7	---	---

Depot: RIPTAM
Unique No: 10862336
Signed: Wes Davis
Report Date: 06 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

