



CONSTRUCTION EQUIPMENT

VOLVO EC350EL 310044 - REAR RIGHT FINAL DRIVE



Sample No: VCP331932
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP331932	VCP275082	VCP210370	---
Sample Date	16 Feb 2022	04 May 2021	14 Jun 2018	---
Machine Hours	4595	3886	1909	---
Oil Hours	0	0	1500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---

STRONGCO EQUIP (AB)
 6 - 38403 BURNT LAKE TRAIL
 RED DEER COUNTY, AB
 CA T4S 2L4
 Contact: Perry Doyle
 pdoyle@strongco.com
 T: (403)346-3473
 F: (403)346-3487



OIL CONDITION

Visc @ 40°C	cSt	342	385	175	---
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	0.439	NEG	---
Silicon	ppm	38	2974	1077	---
Sodium	ppm	<1	70	31	---
Potassium	ppm	1	117	41	---



WEAR METALS

PQ		---	1528	664	---
Iron	ppm	83	4255	1873	---
Copper	ppm	<1	10	4	---
Lead	ppm	0	1	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	3	351	134	---
Chromium	ppm	2	56	26	---
Molybdenum	ppm	<1	5	3	---
Nickel	ppm	<1	4	1	---
Titanium	ppm	<1	19	7	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	33	18	---
Vanadium	ppm	0	1	<1	---



ADDITIVES

Calcium	ppm	7	494	211	---
Magnesium	ppm	1	126	67	---
Zinc	ppm	7	20	49	---
Phosphorus	ppm	1022	915	424	---
Barium	ppm	0	0	4	---
Boron	ppm	172	136	4	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO9652
Unique No: 5358015
Signed: Wes Davis
Report Date: 18 Feb 2022



CONSTRUCTION EQUIPMENT



GRAPHS

