



CONSTRUCTION EQUIPMENT

SW1027835 STEFFY VOLVO ECR235E 314278 - REAR RIGHT FINAL DRIVE



Sample No: VCP415114
Oil Type: GEAR OIL SAE 80W90
Job No: SW1027835 STEFFY



SAMPLE INFORMATION

Sample Number	VCP415114	VCP406937	---	---
Sample Date	16 Dec 2023	15 Jul 2023	---	---
Machine Hours	2210	1700	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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 PHOENIX, AZ
 US 85040
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OIL CONDITION

Visc @ 40°C	cSt	145	174	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	21	25	---	---
Sodium	ppm	0	5	---	---
Potassium	ppm	4	3	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. 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	570	518	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	6	---	---
Chromium	ppm	7	11	---	---
Molybdenum	ppm	2	2	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	4	6	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	17	11	---	---
Magnesium	ppm	6	2	---	---
Zinc	ppm	6	28	---	---
Phosphorus	ppm	487	502	---	---
Barium	ppm	0	1	---	---
Boron	ppm	45	0	---	---

Depot: VOLVO6174
Unique No: 10805880
Signed: Sean Felton
Report Date: 28 Dec 2023



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GRAPHS

