



CONSTRUCTION EQUIPMENT

20790 VOLVO ECR88 217893 - FRONT RIGHT FINAL DRIVE



Sample No: VCE254100
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 20790



SAMPLE INFORMATION

Sample Number	VCE254100	---	---	---
Sample Date	12 Sep 2023	---	---	---
Machine Hours	588	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

520 - ASCENDUM MACHINERY INC - KNOXVILLE
 5730 RUTLEDGE PIKE
 KNOXVILLE, TN
 US 37924
 Contact: BRANDON GRANT
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 T: (865)525-1845
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OIL CONDITION

Visc @ 40°C	cSt	█ 169	---	---	---
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CONTAMINATION

Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. Resample at the next service interval to monitor. High concentration of visible metal present. 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	█ 173	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 10	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 20	---	---	---
Phosphorus	ppm	█ 321	---	---	---
Barium	ppm	█ 6	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0124
Unique No: 10649003
Signed: Sean Felton
Report Date: 19 Sep 2023



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GRAPHS

