



CONSTRUCTION EQUIPMENT

4001 SYNERGY VOLVO ECR235 314207 - REAR RIGHT FINAL DRIVE



Sample No: VCP455370
Oil Type: {unknown}
Job No: 4001 SYNERGY



SAMPLE INFORMATION

Sample Number	VCP455370	---	---	---
Sample Date	09 Feb 2024	---	---	---
Machine Hours	4205	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY

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DAVIE, FL
US 33314

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OIL CONDITION

Visc @ 40°C	cSt	■ 186	---	---	---
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CONTAMINATION

Water	%	■ NEG	---	---	---
Silicon	ppm	▲ 132	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 8	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 1121	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	▲ 30	---	---	---
Molybdenum	ppm	5	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	13	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	61	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	30	---	---	---
Phosphorus	ppm	311	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	2	---	---	---

Depot: VOLVO0095
Unique No: 10883392
Signed: Don Baldrige
Report Date: 17 Feb 2024



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GRAPHS

