



CONSTRUCTION EQUIPMENT

SW1021633 VOLVO ECR40D 14357 - REAR RIGHT FINAL DRIVE



Sample No: VCP423014

Oil Type: ISO 150

Job No: SW1021633



SAMPLE INFORMATION

Sample Number	VCP423014	VCP319791	---	---
Sample Date	08 Aug 2023	03 Nov 2021	---	---
Machine Hours	0	1196	---	---
Oil Hours	0	1196	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH
SALT LAKE CITY, UT
US 84119

Contact: TJ LARK
tlark@arnoldmachinery.com
T: (801)972-4000
F: (801)975-9434



OIL CONDITION

Visc @ 40°C	cSt	▲ 83.9	■ 90.9	---	---
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CONTAMINATION

Silicon	ppm	■ 59	■ 43	---	---
Sodium	ppm	■ 3	■ 3	---	---
Potassium	ppm	■ 5	■ 0	---	---

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 oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	■ 138	■ 228	---	---
Copper	ppm	■ <1	■ 2	---	---
Lead	ppm	■ <1	■ 0	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	■ 12	■ 11	---	---
Chromium	ppm	■ 2	■ 3	---	---
Molybdenum	ppm	■ 35	■ 17	---	---
Nickel	ppm	■ <1	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 2	■ 3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 1981	■ 3818	---	---
Magnesium	ppm	■ 454	■ 14	---	---
Zinc	ppm	■ 1139	■ 702	---	---
Phosphorus	ppm	■ 916	■ 549	---	---
Barium	ppm	■ 0	■ 17	---	---
Boron	ppm	■ 77	■ 15	---	---

Depot: VOLVO8770
Unique No: 10605071
Signed: Don Baldrige
Report Date: 16 Aug 2023



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VOLVO GRAPHS

