



CONSTRUCTION EQUIPMENT

THOMPSON BUILDS VOLVO ECR355EL 314174 - REAR RIGHT FINAL DRIVE



Sample No: VCP419141
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: THOMPSON BUILDS



SAMPLE INFORMATION

Sample Number	VCP419141	---	---	---
Sample Date	01 Aug 2023	---	---	---
Machine Hours	1459	---	---	---
Oil Hours	1459	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JOSH GAVIN



OIL CONDITION

Visc @ 40°C	cSt	▲ 186	---	---	---
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T: (585)344-1931
 F: (315)437-8558



CONTAMINATION

Silicon	ppm	● 576	---	---	---
Sodium	ppm	■ 20	---	---	---
Potassium	ppm	■ 37	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	● 1753	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 102	---	---	---
Chromium	ppm	● 25	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	8	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 17	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	▲ 50	---	---	---
Magnesium	ppm	■ 22	---	---	---
Zinc	ppm	▲ 18	---	---	---
Phosphorus	ppm	▲ 395	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	▲ <1	---	---	---

Depot: VOLV00142
Unique No: 10588374
Signed: Jonathan Hester
Report Date: 07 Aug 2023



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GRAPHS

