



CONSTRUCTION EQUIPMENT

VOLVO EC950F 410045 - FRONT RIGHT FINAL DRIVE



Sample No: VCP401954
Oil Type: CHEVRON DELO GEAR ESI OIL 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP401954	---	---	---
Sample Date	31 Oct 2023	---	---	---
Machine Hours	3928	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

403 - ASCENDUM MACHINERY INC - FARGO
 3739 38TH ST SW, SUITE E
 FARGO, ND
 US 58104
 Contact: SCOTT HANSON
 scott.hanson@ascendummachinery.com
 T:
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OIL CONDITION

Visc @ 40°C	cSt	■ 134	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 1069	---	---	---
Sodium	ppm	■ 17	---	---	---
Potassium	ppm	■ 81	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. 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 is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	▲ 965	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 301	---	---	---
Chromium	ppm	▲ 11	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	■ 15	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 14	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 148	---	---	---
Magnesium	ppm	■ 86	---	---	---
Zinc	ppm	■ 19	---	---	---
Phosphorus	ppm	■ 940	---	---	---
Barium	ppm	■ 9	---	---	---
Boron	ppm	■ 102	---	---	---

Depot: ASCFAR
Unique No: 10724387
Signed: Don Baldrige
Report Date: 03 Nov 2023



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GRAPHS

