



CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY/500 HOUR CSA VOLVO EC160E 1805 (S/N 310187) - FRONT RIGHT FINAL DRIVE



Sample No: VCP412405
Oil Type: GEAR OIL SAE 80
Job No:



SAMPLE INFORMATION

Sample Number	VCP412405	---	---	---
Sample Date	21 Jul 2023	---	---	---
Machine Hours	4937	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 60.0	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 118	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ <1	---	---	---

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. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 658	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 51	---	---	---
Chromium	ppm	▲ 14	---	---	---
Molybdenum	ppm	■ 4	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	4	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 8	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 31	---	---	---
Magnesium	ppm	■ 10	---	---	---
Zinc	ppm	■ 35	---	---	---
Phosphorus	ppm	■ 2287	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 215	---	---	---

Depot: TRIBUR
Unique No: 10573572
Signed: Don Baldrige
Report Date: 27 Jul 2023



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GRAPHS

