



CONSTRUCTION EQUIPMENT

WASTE MANAGEMENT VOLVO EC160EL 3 10359 - RIGHT TRACK DRIVE



Sample No: VCP413178
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: WASTE MANAGEMENT



SAMPLE INFORMATION

Sample Number	VCP413178	---	---	---
Sample Date	16 Oct 2023	---	---	---
Machine Hours	4311	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT COMPANY

5210 REESE ROAD
 DAVIE, FL
 US 33314
 Contact: GERMAN BLANDON
 gblandon@flaglerce.com
 T: (954)581-4744
 F: (954)583-0318



OIL CONDITION

Visc @ 40°C	cSt	█ 164	---	---	---
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CONTAMINATION

Water	%	▲ 0.603	---	---	---
Silicon	ppm	◆ 3320	---	---	---
Sodium	ppm	█ 19	---	---	---
Potassium	ppm	█ 13	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. 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. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	◆ 6299	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	▲ 69	---	---	---
Chromium	ppm	▲ 41	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	▲ 21	---	---	---
Titanium	ppm	7	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 39	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2043	---	---	---
Magnesium	ppm	█ 35	---	---	---
Zinc	ppm	█ 22	---	---	---
Phosphorus	ppm	█ 928	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 151	---	---	---

Depot: VOLVO0095
Unique No: 10699904
Signed: Sean Felton
Report Date: 19 Oct 2023



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GRAPHS

