



CONSTRUCTION EQUIPMENT

X28349 CASE CX350D 7P1816 - RIGHT TRACK DRIVE



Sample No: VCP379868
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: X28349



SAMPLE INFORMATION

Sample Number	VCP379868	---	---	---
Sample Date	22 Sep 2023	---	---	---
Machine Hours	1727	---	---	---
Oil Hours	1727	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

SCOTT EQUIPMENT COMPANY LLC - Shreveport
 945 NORTH MARKET STREET
 SHREVEPORT, LA
 US 71107-6744
 Contact: MARILYN TIDWELL
 mtidwell@scottcompanies.com
 T:
 F: (318)677-2493



OIL CONDITION

Visc @ 40°C	cSt	■ 212	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Water	%	◆ 1.58	---	---	---
Silicon	ppm	◆ 584	---	---	---
Sodium	ppm	■ 12	---	---	---
Potassium	ppm	■ 37	---	---	---

Diagnosis

We advise that you check for the source of water entry. 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. There is a high concentration of water present in the oil. 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	▲ 1844	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 100	---	---	---
Chromium	ppm	■ 29	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ 8	---	---	---
Titanium	ppm	8	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 26	---	---	---
Vanadium	ppm	< 1	---	---	---



ADDITIVES

Calcium	ppm	■ 67	---	---	---
Magnesium	ppm	■ 23	---	---	---
Zinc	ppm	■ 41	---	---	---
Phosphorus	ppm	■ 484	---	---	---
Barium	ppm	■ 8	---	---	---
Boron	ppm	■ 44	---	---	---

Depot: VOLVO2603
Unique No: 10669679
Signed: Don Baldrige
Report Date: 29 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

