



CONSTRUCTION EQUIPMENT

314365 COX TAKEUCHI TL12 201201062 - REAR RIGHT FINAL DRIVE



Sample No: VCP412076
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 314365 COX



SAMPLE INFORMATION

Sample Number	VCP412076	---	---	---
Sample Date	27 Sep 2023	---	---	---
Machine Hours	2222	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824
 Contact: Robert LaPlante
 robert.laplante@altg.com
 T: (407)508-9736
 F: (407)659-8720



OIL CONDITION

Visc @ 40°C	cSt	▲ 259	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Silicon	ppm	● 1797	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 8	---	---	---



WEAR METALS

Iron	ppm	● 11216	---	---	---
Copper	ppm	■ 29	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	▲ 110	---	---	---
Chromium	ppm	● 113	---	---	---
Molybdenum	ppm	■ 11	---	---	---
Nickel	ppm	● 35	---	---	---
Titanium	ppm	7	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 97	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 257	---	---	---
Magnesium	ppm	■ 18	---	---	---
Zinc	ppm	■ 72	---	---	---
Phosphorus	ppm	■ 246	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 7	---	---	---

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 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. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO0096
Unique No: 10674588
Signed: Jonathan Hester
Report Date: 05 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

