



CONSTRUCTION EQUIPMENT

606949 ALTA RENTS TAKEUCHI TL10 410006539 - FRONT LEFT FINAL DRIVE



Sample No: VCP432759
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 606949 ALTA RENTS



SAMPLE INFORMATION

Sample Number	VCP432759	---	---	---
Sample Date	14 Sep 2023	---	---	---
Machine Hours	977	---	---	---
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	█ 140	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 131	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	● 5932	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 31	---	---	---
Chromium	ppm	● 58	---	---	---
Molybdenum	ppm	█ 8	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 42	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 86	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 0	---	---	---
Phosphorus	ppm	█ 436	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 59	---	---	---

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

Depot: VOLVO0096
Unique No: 10655631
Signed: Sean Felton
Report Date: 20 Sep 2023



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GRAPHS

