



CONSTRUCTION EQUIPMENT

SWA310310-20 TERRAMAC RT14R 14RH00107 - FRONT RIGHT FINAL DRIVE



Sample No: VCP400638
Oil Type: GEAR OIL SAE 80W90
Job No: SWA310310-20



SAMPLE INFORMATION

Sample Number	VCP400638	---	---	---
Sample Date	17 Jul 2023	---	---	---
Machine Hours	4312	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	█ 214	---	---	---
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CONTAMINATION

Silicon	ppm	● 297	---	---	---
Sodium	ppm	█ 13	---	---	---
Potassium	ppm	█ 23	---	---	---



WEAR METALS

Iron	ppm	● 4235	---	---	---
Copper	ppm	● 2457	---	---	---
Lead	ppm	█ 21	---	---	---
Tin	ppm	▲ 20	---	---	---
Aluminum	ppm	▲ 63	---	---	---
Chromium	ppm	● 66	---	---	---
Molybdenum	ppm	█ 242	---	---	---
Nickel	ppm	3	---	---	---
Titanium	ppm	7	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 29	---	---	---
Vanadium	ppm	2	---	---	---



ADDITIVES

Calcium	ppm	█ 199	---	---	---
Magnesium	ppm	█ 31	---	---	---
Zinc	ppm	█ 46	---	---	---
Phosphorus	ppm	█ 1027	---	---	---
Barium	ppm	█ 12	---	---	---
Boron	ppm	█ 114	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Bearing and/or bushing wear is indicated. 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.

Depot: VOLVO0142
Unique No: 10572457
Signed: Don Baldrige
Report Date: 26 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

