



CONSTRUCTION EQUIPMENT

383709 TERRAMAC RT14R 14RH00107 - FRONT RIGHT FINAL DRIVE



Sample No: VCP433945
Oil Type: GEAR OIL SAE 80W140
Job No: 383709



SAMPLE INFORMATION

Sample Number	VCP433945	VCP400638	---	---
Sample Date	11 Oct 2023	17 Jul 2023	---	---
Machine Hours	2355	4312	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	SEVERE	SEVERE	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
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OIL CONDITION

Visc @ 40°C	cSt	203	214	---	---
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CONTAMINATION

Silicon	ppm	84	297	---	---
Sodium	ppm	2	13	---	---
Potassium	ppm	7	23	---	---



WEAR METALS

Iron	ppm	1931	4235	---	---
Copper	ppm	1724	2457	---	---
Lead	ppm	0	21	---	---
Tin	ppm	13	20	---	---
Aluminum	ppm	17	63	---	---
Chromium	ppm	28	66	---	---
Molybdenum	ppm	179	242	---	---
Nickel	ppm	2	3	---	---
Titanium	ppm	2	7	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	12	29	---	---
Vanadium	ppm	<1	2	---	---



ADDITIVES

Calcium	ppm	45	199	---	---
Magnesium	ppm	5	31	---	---
Zinc	ppm	13	46	---	---
Phosphorus	ppm	452	1027	---	---
Barium	ppm	<1	12	---	---
Boron	ppm	33	114	---	---

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. Note that there appears to be a discrepancy in the total time on this component, when compared to the historical data. 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: VOLV00142
Unique No: 10697330
Signed: Don Baldrige
Report Date: 18 Oct 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

