



# CONSTRUCTION EQUIPMENT

X36418 14RL00328 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP412348  
**Oil Type:** GEAR OIL LS 80W90  
**Job No:** X36418



## SAMPLE INFORMATION

Sample Number	VCP412348	---	---	---
Sample Date	21 Jul 2023	---	---	---
Machine Hours	209	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 198	---	---	---
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## CONTAMINATION

Silicon	ppm	█ 15	---	---	---
Sodium	ppm	█ 11	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	▲ 658	---	---	---
Copper	ppm	▲ 192	---	---	---
Lead	ppm	▲ 116	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	201	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 7	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 37	---	---	---
Magnesium	ppm	█ 7	---	---	---
Zinc	ppm	█ 56	---	---	---
Phosphorus	ppm	492	---	---	---
Barium	ppm	201	---	---	---
Boron	ppm	5	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. Bearing and/or bushing wear is indicated. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO6242  
**Unique No:** 10574609  
**Signed:** Don Baldrige  
**Report Date:** 28 Jul 2023



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## GRAPHS

