



CONSTRUCTION EQUIPMENT

19383 HERC VOLVO EC140EL 315183 - REAR LEFT FINAL DRIVE



Sample No: VCP413344
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 19383 HERC



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SAMPLE INFORMATION

Sample Number	VCP413344	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	516	---	---	---
Oil Hours	516	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 139	---	---	---
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CONTAMINATION

Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 491	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	▲ 29	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 13	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 10	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 21	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 22	---	---	---
Phosphorus	ppm	█ 255	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	█ <1	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The tin level is abnormal. 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: VOLVO8769
Unique No: 10616986
Signed: Don Baldrige
Report Date: 24 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

