



CONSTRUCTION EQUIPMENT

19072 HERC VOLVO EC140EL 311842 - REAR LEFT FINAL DRIVE



Sample No: VCP407165
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 19072 HERC



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SAMPLE INFORMATION

Sample Number	VCP407165	---	---	---
Sample Date	26 Jul 2023	---	---	---
Machine Hours	2073	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	▲ 264	---	---	---
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CONTAMINATION

Silicon	ppm	■ 20	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 0	---	---	---



WEAR METALS

Iron	ppm	■ 383	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	▲ 28	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 9	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 8	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 42	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 61	---	---	---
Phosphorus	ppm	■ 1039	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 142	---	---	---

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 component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. Confirm oil type.

Depot: VOLVO8769
Unique No: 10587542
Signed: Don Baldrige
Report Date: 07 Aug 2023



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VOLVO GRAPHS

