



CONSTRUCTION EQUIPMENT

HERC VOLVO EC140 315532 - REAR LEFT FINAL DRIVE



Sample No: VCP440214
Oil Type: GEAR OIL SAE 85W140
Job No: HERC



SAMPLE INFORMATION

Sample Number	VCP440214	---	---	---
Sample Date	13 Jun 2024	---	---	---
Machine Hours	497	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 128.1	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 20	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 730	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 43	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	▲ 16	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 10	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 57	---	---	---
Magnesium	ppm	█ 24	---	---	---
Zinc	ppm	█ 78	---	---	---
Phosphorus	ppm	▲ 269	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 1	---	---	---

Depot: VOLVO0093
Unique No: 11089390
Signed: Jonathan Hester
Report Date: 26 Jun 2024



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GRAPHS

