



CONSTRUCTION EQUIPMENT

407603 VOLVO EC480 314580 - REAR LEFT FINAL DRIVE



Sample No: VCP420592
Oil Type: GEAR OIL SAE 85W140
Job No: 407603



SAMPLE INFORMATION

Sample Number	VCP420592	VCP344113	---	---
Sample Date	29 Nov 2023	20 Jan 2022	---	---
Machine Hours	4524	0	---	---
Oil Hours	2000	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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 5151 DR MARTIN LUTHER KING BLVD
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OIL CONDITION

Visc @ 40°C	cSt	█ 297	█ 177	---	---
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CONTAMINATION

Water	%	▲ 0.453	NEG	---	---
Silicon	ppm	█ 333	█ 27	---	---
Sodium	ppm	█ 3	█ 0	---	---
Potassium	ppm	█ 4	█ 2	---	---



WEAR METALS

Iron	ppm	▲ 5089	█ 781	---	---
Copper	ppm	█ 9	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 27	█ 9	---	---
Chromium	ppm	▲ 59	█ 13	---	---
Molybdenum	ppm	█ 11	█ 2	---	---
Nickel	ppm	█ 4	█ <1	---	---
Titanium	ppm	█ 2	█ <1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	38	█ 9	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	█ 714	█ 127	---	---
Magnesium	ppm	█ 23	█ 33	---	---
Zinc	ppm	█ 65	█ 40	---	---
Phosphorus	ppm	█ 653	█ 217	---	---
Barium	ppm	█ 2	█ 2	---	---
Boron	ppm	█ 95	█ 5	---	---

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 a moderate concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO0090
Unique No: 10767715
Signed: Angela Borella
Report Date: 05 Dec 2023



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GRAPHS

