



CONSTRUCTION EQUIPMENT

SW-24085-2 GRANT MAC VOLVO EC480E 3 10924 - REAR RIGHT FINAL DRIVE



Sample No: VCP412474
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW-24085-2 GRANT MAC



SAMPLE INFORMATION

Sample Number	VCP412474	VCP354263	---	---
Sample Date	14 Sep 2023	26 May 2022	---	---
Machine Hours	7932	5705	---	---
Oil Hours	2100	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 164	█ 161	---	---
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CONTAMINATION

Silicon	ppm	█ 210	█ 392	---	---
Sodium	ppm	█ 7	█ 12	---	---
Potassium	ppm	█ 10	█ 23	---	---



WEAR METALS

Iron	ppm	█ 2595	█ 2142	---	---
Copper	ppm	█ 7	█ 5	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 29	█ 66	---	---
Chromium	ppm	█ 13	█ 18	---	---
Molybdenum	ppm	█ <1	█ 2	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ 2	█ 4	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 15	█ 17	---	---
Vanadium	ppm	█ 0	█ 0	---	---



ADDITIVES

Calcium	ppm	█ 47	█ 109	---	---
Magnesium	ppm	█ 12	█ 26	---	---
Zinc	ppm	█ 30	█ 43	---	---
Phosphorus	ppm	█ 1000	█ 802	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 159	█ 61	---	---

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8770
Unique No: 10659109
Signed: Don Baldrige
Report Date: 23 Sep 2023



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GRAPHS

