



CONSTRUCTION EQUIPMENT

VOLVO A25G 740250 - REAR AXLE



Sample No: VCP440814
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP440814	VCP412163	VCP343860	---
Sample Date	28 Jun 2024	28 Aug 2023	25 Oct 2021	---
Machine Hours	6651	5525	3871	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 186	● 46.9	■ 169	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ 3	■ 20	■ 1	---
Sodium	ppm	■ 2	■ 2	■ 1	---
Potassium	ppm	■ 1	■ 2	■ <1	---



WEAR METALS

Iron	ppm	■ 105	■ 22	■ 140	---
Copper	ppm	■ 43	▲ 489	■ 23	---
Lead	ppm	■ <1	■ <1	■ <1	---
Tin	ppm	■ 2	■ 0	■ <1	---
Aluminum	ppm	■ 1	■ 2	■ <1	---
Chromium	ppm	■ 1	■ <1	■ 2	---
Molybdenum	ppm	■ 10	■ <1	■ 3	---
Nickel	ppm	■ <1	■ 1	■ 1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	■ 2	■ 2	■ 3	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	■ 130	■ 3374	■ 143	---
Magnesium	ppm	■ 45	■ 10	■ 13	---
Zinc	ppm	■ 117	■ 1287	50	---
Phosphorus	ppm	■ 862	■ 1187	■ 1207	---
Barium	ppm	■ 0	■ 2	■ 0	---
Boron	ppm	■ 117	■ 125	■ 189	---

Diagnosis

Resample at the next service interval to monitor. 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: VOLVO0090
Unique No: 11114032
Signed: Wes Davis
Report Date: 10 Jul 2024



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GRAPHS

