



CONSTRUCTION EQUIPMENT

IMPACT AUTO 396842 VOLVO L90H 625974 - REAR AXLE



Sample No: VCP450157
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 396842



SAMPLE INFORMATION

Sample Number	VCP450157	VCP394414	---	---
Sample Date	04 Mar 2024	14 Dec 2023	---	---
Machine Hours	4543	4045	---	---
Oil Hours	500	1000	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

STRONGCO EQUIPMENT-EDMONTON

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 CA T7X 6C2

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OIL CONDITION

Visc @ 40°C	cSt	42.4	■ 42.5	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 11	■ 11	---	---
Sodium	ppm	■ 1	■ 8	---	---
Potassium	ppm	■ <1	■ <1	---	---



WEAR METALS

Iron	ppm	■ 14	■ 52	---	---
Copper	ppm	■ 6	■ 6	---	---
Lead	ppm	■ 0	■ <1	---	---
Tin	ppm	■ <1	■ 0	---	---
Aluminum	ppm	■ 1	■ 1	---	---
Chromium	ppm	■ <1	■ 1	---	---
Molybdenum	ppm	■ 0	■ 2	---	---
Nickel	ppm	■ <1	■ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ <1	■ 3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	4097	■ 4138	---	---
Magnesium	ppm	■ 12	■ 11	---	---
Zinc	ppm	1649	■ 1610	---	---
Phosphorus	ppm	■ 1342	■ 1314	---	---
Barium	ppm	■ 0	■ <1	---	---
Boron	ppm	■ 116	■ 114	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO3908
Unique No: 5737127
Signed: Wes Davis
Report Date: 05 Mar 2024



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GRAPHS

