



CONSTRUCTION EQUIPMENT

2025 VOLVO L120H 633087 - REAR AXLE



Sample No: VCP434906
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 2025



SAMPLE INFORMATION

Sample Number	VCP434906	---	---	---
Sample Date	14 Jun 2024	---	---	---
Machine Hours	2940	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

LEONARDS CONTRACTING
 30850 STEPHENSON HWY
 MADISON HEIGHTS, MI
 US 48071
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OIL CONDITION

Visc @ 40°C	cSt	● 40.8	---	---	---
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CONTAMINATION

Water	%	■ 0.178	---	---	---
Silicon	ppm	▲ 54	---	---	---
Sodium	ppm	■ 13	---	---	---
Potassium	ppm	■ 3	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The water content is negligible. The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.



WEAR METALS

Iron	ppm	■ 492	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 9	---	---	---
Molybdenum	ppm	■ 14	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 18	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 4045	---	---	---
Magnesium	ppm	■ 16	---	---	---
Zinc	ppm	● 1553	---	---	---
Phosphorus	ppm	■ 1331	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 123	---	---	---

Depot: LEOMAD
Unique No: 11087944
Signed: Sean Felton
Report Date: 21 Jun 2024



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GRAPHS

