



CONSTRUCTION EQUIPMENT

VOLVO L20H 1220100 - FRONT AXLE



Sample No: VCP412128
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP412128	---	---	---
Sample Date	24 Sep 2023	---	---	---
Machine Hours	5056	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	▲ 52.0	---	---	---
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CONTAMINATION

Silicon	ppm	■ 18	---	---	---
Sodium	ppm	■ 16	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

Iron	ppm	▲ 564	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 8	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 31	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 3218	---	---	---
Magnesium	ppm	■ 10	---	---	---
Zinc	ppm	■ 1401	---	---	---
Phosphorus	ppm	■ 1123	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 114	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

Depot: VOLVO0090
Unique No: 10669680
Signed: Don Baldrige
Report Date: 29 Sep 2023



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GRAPHS

