



CONSTRUCTION EQUIPMENT

X37888 752107 - BOGIE/CENTER AXLE



Sample No: VCP416847
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: X37888



SAMPLE INFORMATION

Sample Number	VCP416847	---	---	---
Sample Date	21 Dec 2023	---	---	---
Machine Hours	5468	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 58.4	---	---	---
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CONTAMINATION

Water	%	▲ 0.997	---	---	---
Silicon	ppm	■ 30	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	■ 160	---	---	---
Copper	ppm	■ 31	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 14	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 88	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 62	---	---	---
Phosphorus	ppm	■ 2006	---	---	---
Barium	ppm	■ 9	---	---	---
Boron	ppm	■ 40	---	---	---

Depot: VOLVO6242
Unique No: 10820274
Signed: Jonathan Hester
Report Date: 10 Jan 2024



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GRAPHS

