



CONSTRUCTION EQUIPMENT

23-05 VOLVO A45G 342614 - REAR AXLE



Sample No: VCP182346
Oil Type: GEAR OIL SAE 80W140
Job No: 23-05



SAMPLE INFORMATION

Sample Number	VCP182346	VCP407571	---	---
Sample Date	15 Sep 2023	14 Jul 2023	---	---
Machine Hours	3609	3572	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 142	■ 224	---	---
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CONTAMINATION

Silicon	ppm	■ 2	■ 5	---	---
Sodium	ppm	■ 1	■ <1	---	---
Potassium	ppm	■ 0	■ 2	---	---

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 oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	■ 10	■ 109	---	---
Copper	ppm	■ 0	■ 1	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	■ 0	■ 0	---	---
Chromium	ppm	■ 0	■ <1	---	---
Molybdenum	ppm	■ 0	■ 3	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 0	■ 4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 33	■ 198	---	---
Magnesium	ppm	■ 1	■ 28	---	---
Zinc	ppm	■ 30	■ 157	---	---
Phosphorus	ppm	■ 1019	■ 411	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 201	■ 14	---	---

Depot: GLOPLE
Unique No: 10738425
Signed: Don Baldrige
Report Date: 14 Nov 2023



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GRAPHS

