



CONSTRUCTION EQUIPMENT

VOLVO A40G 352412 - DROP BOX



Sample No: VCP434479
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP434479	VCP312598	---	---
Sample Date	03 Nov 2023	24 Nov 2021	---	---
Machine Hours	4381	2279	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 40°C	cSt	50.0	▲ 50.8	---	---
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CONTAMINATION

Silicon	ppm	▲ 56	■ 4	---	---
Sodium	ppm	■ 8	■ 2	---	---
Potassium	ppm	■ 3	■ 11	---	---



WEAR METALS

Iron	ppm	■ 335	■ 174	---	---
Copper	ppm	▲ 51	■ 4	---	---
Lead	ppm	■ <1	■ 1	---	---
Tin	ppm	■ <1	■ 0	---	---
Aluminum	ppm	■ 1	■ 0	---	---
Chromium	ppm	■ 4	■ 2	---	---
Molybdenum	ppm	■ 28	■ 0	---	---
Nickel	ppm	■ 2	■ 1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 9	■ 12	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 54	■ 6	---	---
Magnesium	ppm	■ 6	■ 0	---	---
Zinc	ppm	■ 148	■ 10	---	---
Phosphorus	ppm	■ 2214	■ 2405	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 113	■ 189	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. Confirm oil type. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0090
Unique No: 10737605
Signed: Sean Felton
Report Date: 14 Nov 2023



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GRAPHS

