



CONSTRUCTION EQUIPMENT

VOLVO A40G 352410 - DROP BOX



Sample No: VCP412145
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP412145	VCP329172	---	---
Sample Date	09 Aug 2023	30 Sep 2021	---	---
Machine Hours	3913	2118	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 286	▲ 49.0	---	---
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CONTAMINATION

Silicon	ppm	▲ 52	▲ 64	---	---
Sodium	ppm	■ 1	■ 6	---	---
Potassium	ppm	■ 1	■ 1	---	---



WEAR METALS

Iron	ppm	■ 151	■ 104	---	---
Copper	ppm	■ 1	■ 20	---	---
Lead	ppm	■ 0	■ <1	---	---
Tin	ppm	■ <1	■ <1	---	---
Aluminum	ppm	■ 4	■ <1	---	---
Chromium	ppm	■ 2	■ 1	---	---
Molybdenum	ppm	■ 13	■ 12	---	---
Nickel	ppm	■ <1	■ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ 2	■ 5	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 107	■ 47	---	---
Magnesium	ppm	■ 33	■ 7	---	---
Zinc	ppm	■ 67	■ 104	---	---
Phosphorus	ppm	■ 1034	2247	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 162	■ 127	---	---

Diagnosis

The oil 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. All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0090
Unique No: 10606386
Signed: Don Baldrige
Report Date: 17 Aug 2023



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GRAPHS

