



CONSTRUCTION EQUIPMENT

A09082 VOLVO A40G 341662 - BOGIE/CENTER AXLE



Sample No: VCP384280
Oil Type: MOBIL GO 102
Job No: A09082



SAMPLE INFORMATION

Sample Number	VCP384280	VCP278593	---	---
Sample Date	09 Nov 2022	09 Aug 2021	---	---
Machine Hours	6440	5380	---	---
Oil Hours	2000	1000	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

K C CONSTRUCTION

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OIL CONDITION

Visc @ 40°C	cSt	▲ 55.8	▲ 52.1	---	---
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CONTAMINATION

Silicon	ppm	■ 8	■ 3	---	---
Sodium	ppm	■ 5	■ 4	---	---
Potassium	ppm	■ <1	■ 1	---	---



WEAR METALS

Iron	ppm	▲ 1024	■ 368	---	---
Copper	ppm	■ 7	■ 5	---	---
Lead	ppm	■ <1	■ <1	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ 2	■ 0	---	---
Chromium	ppm	■ 13	■ 4	---	---
Molybdenum	ppm	15	■ 4	---	---
Nickel	ppm	■ 4	■ 2	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	24	■ 10	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	57	■ 78	---	---
Magnesium	ppm	2	■ 1	---	---
Zinc	ppm	31	■ 43	---	---
Phosphorus	ppm	2304	■ 2191	---	---
Barium	ppm	0	■ 0	---	---
Boron	ppm	180	■ 194	---	---

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. 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: KCCIVY
Unique No: 10227334
Signed: Don Baldrige
Report Date: 20 Nov 2022



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GRAPHS

