



CONSTRUCTION EQUIPMENT

19768 VOLVO A45G 352253 - BOGIE/CENTER AXLE



Sample No: VCP412174
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 19768



117 - ASCENDUM MACHINERY INC - GREENVILLE
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SAMPLE INFORMATION

Sample Number	VCP412174	VCP418107	VCP335873	---
Sample Date	06 Oct 2023	06 Jun 2023	24 Aug 2022	---
Machine Hours	5191	4749	3927	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	ABNORMAL	ABNORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	51.1	52.0	137	---
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CONTAMINATION

Silicon	ppm	▲ 122	▲ 63	6	---
Sodium	ppm	■ 4	5	8	---
Potassium	ppm	■ 8	3	0	---



WEAR METALS

Iron	ppm	■ 572	234	132	---
Copper	ppm	■ 15	9	6	---
Lead	ppm	■ <1	0	0	---
Tin	ppm	■ 0	<1	1	---
Aluminum	ppm	▲ 26	17	2	---
Chromium	ppm	■ 6	2	2	---
Molybdenum	ppm	■ 2	1	21	---
Nickel	ppm	■ 4	1	1	---
Titanium	ppm	1	<1	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	■ 7	4	4	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	■ 34	23	171	---
Magnesium	ppm	■ 13	9	39	---
Zinc	ppm	■ 22	14	91	---
Phosphorus	ppm	■ 2381	2536	509	---
Barium	ppm	■ <1	0	0	---
Boron	ppm	■ 213	260	63	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8769
Unique No: 10702426
Signed: Don Baldrige
Report Date: 23 Oct 2023



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GRAPHS

