



CONSTRUCTION EQUIPMENT

VOLVO A30F 82030 - BOGIE/CENTER AXLE



Sample No: VCP380226
Oil Type: GEAR OIL SAE 80
Job No:



SAMPLE INFORMATION

Sample Number	VCP380226	VCP391547	VCP145525	---
Sample Date	18 Sep 2023	18 Sep 2023	08 May 2013	---
Machine Hours	10249	10248	1044	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	ABNORMAL	ABNORMAL	NORMAL	---

CONQUEST EQUIPMENT

PO BOX 1188
 ESTEVAN, SK
 CA S4A 2H8
 Contact: Service Manager
 sales@conquestequipment.ca
 T: (888)724-7404
 F:



OIL CONDITION

Visc @ 40°C	cSt	▲ 51.9	▲ 49.8	■ 67.1	---
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CONTAMINATION

Silicon	ppm	■ 49	■ 28	■ 4	---
Sodium	ppm	■ 5	■ 4	■ 0	---
Potassium	ppm	■ 2	■ 2	■ 2	---



WEAR METALS

Iron	ppm	■ 229	■ 221	■ 166	---
Copper	ppm	■ 6	■ 6	■ 6	---
Lead	ppm	■ <1	■ <1	■ <1	---
Tin	ppm	■ 0	■ 0	■ <1	---
Aluminum	ppm	▲ 11	■ 7	■ <1	---
Chromium	ppm	■ 3	■ 3	■ 6	---
Molybdenum	ppm	■ 0	■ 0	■ <1	---
Nickel	ppm	■ 1	■ 1	■ 2	---
Titanium	ppm	<1	0	3	---
Silver	ppm	<1	<1	<1	---
Manganese	ppm	■ 2	■ 3	14	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	■ 250	■ 210	37	---
Magnesium	ppm	■ 5	■ 4	■ 3	---
Zinc	ppm	■ 103	■ 91	10	---
Phosphorus	ppm	■ 2406	■ 2403	■ 1455	---
Barium	ppm	■ <1	■ <1	<1	---
Boron	ppm	■ 243	■ 171	175	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Aluminum ppm levels are abnormal. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: CONEST
Unique No: 5658812
Signed: Kevin Marson
Report Date: 18 Oct 2023



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GRAPHS

