



CONSTRUCTION EQUIPMENT

SWO-064338 VOLVO A45G 352916 - BOGIE/CENTER AXLE



Sample No: VCP419130
Oil Type: NOT GIVEN
Job No: SWO-064338



SAMPLE INFORMATION

Sample Number	VCP419130	VCP404640	VCP403261	VCP362542
Sample Date	25 Jul 2023	04 May 2023	24 Jan 2023	07 Jul 2022
Machine Hours	3005	2493	1980	936
Oil Hours	0	0	0	936
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	49.1	48.6	48.8	50.1
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CONTAMINATION

Silicon	ppm	▲ 144	3	2	3
Sodium	ppm	3	2	1	6
Potassium	ppm	5	3	2	13



WEAR METALS

Iron	ppm	454	197	59	103
Copper	ppm	4	2	2	1
Lead	ppm	0	0	<1	1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	▲ 11	<1	<1	<1
Chromium	ppm	6	3	<1	2
Molybdenum	ppm	9	10	8	8
Nickel	ppm	<1	2	<1	<1
Titanium	ppm	1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	14	10	5	10
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	132	121	101	69
Magnesium	ppm	1	4	<1	5
Zinc	ppm	62	53	42	37
Phosphorus	ppm	2457	2564	2336	1694
Barium	ppm	0	0	<1	0
Boron	ppm	153	224	250	175

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: SAIBIR
Unique No: 10575834
Signed: Don Baldrige
Report Date: 30 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

