



CONSTRUCTION EQUIPMENT

SWO-064338 VOLVO A45G 352916 - REAR AXLE



Sample No: VCP419132
Oil Type: NOT GIVEN
Job No: SWO-064338



SAMPLE INFORMATION

Sample Number	VCP419132	VCP404635	VCP403262	VCP347676
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	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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 BIRMINGHAM, AL
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OIL CONDITION

Visc @ 40°C	cSt	49.8	49.5	51.4	50.3
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CONTAMINATION

Silicon	ppm	12	3	2	3
Sodium	ppm	3	2	1	6
Potassium	ppm	5	5	3	13



WEAR METALS

Iron	ppm	201	167	48	95
Copper	ppm	1	<1	1	1
Lead	ppm	0	0	0	1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	3	3	<1	2
Molybdenum	ppm	12	12	8	8
Nickel	ppm	<1	1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	1
Manganese	ppm	15	13	8	9
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	113	108	99	88
Magnesium	ppm	0	4	1	5
Zinc	ppm	53	47	53	45
Phosphorus	ppm	2524	2543	2324	1675
Barium	ppm	0	0	<1	0
Boron	ppm	242	230	257	169

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10575837
Signed: Don Baldrige
Report Date: 30 Jul 2023



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GRAPHS

