



CONSTRUCTION EQUIPMENT

SWO068081 VOLVO A30G 752673 - REAR AXLE



Sample No: VCP433314
Oil Type: GEAR OIL SAE 80W90
Job No: SWO068081



SAMPLE INFORMATION

Sample Number	VCP433314	VCP435439	VCP424684	VCP388318
Sample Date	06 Dec 2023	27 Sep 2023	23 Jun 2023	02 Dec 2022
Machine Hours	1983	1495	987	490
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	93.4	86.3	94.1	93.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	5	4	4
Sodium	ppm	2	3	2	2
Potassium	ppm	0	3	4	3

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. Confirm oil type. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	235	165	276	245
Copper	ppm	18	20	11	10
Lead	ppm	0	<1	0	<1
Tin	ppm	0	1	<1	<1
Aluminum	ppm	<1	0	0	2
Chromium	ppm	4	4	5	5
Molybdenum	ppm	19	18	18	16
Nickel	ppm	1	2	2	2
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	13	11	14	13
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	628	867	646	690
Magnesium	ppm	0	<1	1	3
Zinc	ppm	241	376	281	265
Phosphorus	ppm	1319	1611	1320	1244
Barium	ppm	0	2	4	0
Boron	ppm	284	185	243	253

Depot: SAIBIR
Unique No: 10780756
Signed: Don Baldrige
Report Date: 14 Dec 2023



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GRAPHS

