



CONSTRUCTION EQUIPMENT

SW0467659 VOLVO A30G 752677 - DROP BOX



Sample No: VCP435993
Oil Type: GEAR OIL SAE 80W90
Job No: SWO467659



SAMPLE INFORMATION

Sample Number	VCP435993	VCP433846	VCP424275	VCP368409
Sample Date	16 Nov 2023	18 Sep 2023	23 Jun 2023	18 Nov 2022
Machine Hours	2403	1919	2405	915
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	129	46.8	47.0	47.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	40	35	34
Sodium	ppm	3	5	3	3
Potassium	ppm	5	2	2	0

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	24	93	77	78
Copper	ppm	<1	3	1	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	7	10	9	11
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	7	7	7	8
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	2
Manganese	ppm	0	3	3	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1012	45	19	26
Magnesium	ppm	35	2	2	3
Zinc	ppm	496	92	74	95
Phosphorus	ppm	1105	2322	2367	2244
Barium	ppm	0	0	0	0
Boron	ppm	103	67	66	74

Depot: SAIBIR
Unique No: 10754634
Signed: Jonathan Hester
Report Date: 27 Nov 2023



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GRAPHS

