



CONSTRUCTION EQUIPMENT

VOLVO A45G 352704 - DROP BOX



Sample No: VCP431881
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP431881	VCP389227	VCP383500	VCP392785
Sample Date	06 Nov 2023	17 Jul 2023	27 Apr 2023	08 Feb 2023
Machine Hours	4902	4405	3920	3450
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC
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OIL CONDITION

Visc @ 40°C	cSt	214	213	47.3	47.1
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CONTAMINATION

Silicon	ppm	8	12	32	30
Sodium	ppm	2	2	4	8
Potassium	ppm	<1	0	4	3



WEAR METALS

Iron	ppm	129	92	251	213
Copper	ppm	4	4	16	14
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	0
Chromium	ppm	1	<1	2	2
Molybdenum	ppm	7	9	11	9
Nickel	ppm	1	<1	<1	2
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	7	6
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	70	112	61	49
Magnesium	ppm	19	18	5	6
Zinc	ppm	59	84	157	143
Phosphorus	ppm	1218	1221	2121	2034
Barium	ppm	0	0	0	<1
Boron	ppm	152	188	158	148

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: 10749075
Signed: Doug Bogart
Report Date: 19 Nov 2023



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GRAPHS

