



CONSTRUCTION EQUIPMENT

VOLVO A45G 352071 - DROP BOX



Sample No: VCP427483
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP427483	VCP382591	VCP397717	VCP364224
Sample Date	09 Oct 2023	12 Apr 2023	09 Dec 2022	30 Aug 2022
Machine Hours	7028	6049	5545	4971
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	148	222	227	228
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CONTAMINATION

Silicon	ppm	7	17	15	14
Sodium	ppm	0	2	0	0
Potassium	ppm	2	<1	0	0



WEAR METALS

Iron	ppm	99	202	161	151
Copper	ppm	2	4	4	4
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	7	9	7	6
Chromium	ppm	2	2	2	1
Molybdenum	ppm	10	8	6	5
Nickel	ppm	<1	1	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	3	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	65	33	34	26
Magnesium	ppm	14	11	7	0
Zinc	ppm	53	43	54	42
Phosphorus	ppm	1038	1192	1211	1087
Barium	ppm	0	0	0	0
Boron	ppm	114	137	146	153

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: 10709620
Signed: Sean Felton
Report Date: 25 Oct 2023



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GRAPHS

