



CONSTRUCTION EQUIPMENT

SW0071176 VOLVO A45G 352734 - DROP BOX



Sample No: VCP434415
Oil Type: GEAR OIL SAE 80W90
Job No: SWO071176



SAMPLE INFORMATION

Sample Number	VCP434415	VCP427327	VCP382602	VCP380792
Sample Date	12 Apr 2024	21 Aug 2023	27 Apr 2023	17 Jan 2023
Machine Hours	4585	3997	3463	2987
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	282	269	269	258
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	4	6	6
Sodium	ppm	<1	<1	0	2
Potassium	ppm	2	0	1	<1

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.



WEAR METALS

Iron	ppm	140	410	268	202
Copper	ppm	1	2	2	2
Lead	ppm	1	0	0	0
Tin	ppm	1	0	0	0
Aluminum	ppm	1	3	<1	1
Chromium	ppm	3	4	2	3
Molybdenum	ppm	14	6	5	4
Nickel	ppm	2	4	2	1
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	6	3	2	3
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	169	182	165	504
Magnesium	ppm	25	56	49	22
Zinc	ppm	95	188	176	273
Phosphorus	ppm	1028	1075	1029	971
Barium	ppm	0	0	0	1
Boron	ppm	158	135	130	113

Depot: SAIBIR
Unique No: 10982427
Signed: Sean Felton
Report Date: 22 Apr 2024



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GRAPHS

