



CONSTRUCTION EQUIPMENT

SW0064854 VOLVO A45G 352702 - DROP BOX



Sample No: VCP427489
Oil Type: GEAR OIL SAE 80W90
Job No: SWO064854



SAMPLE INFORMATION

Sample Number	VCP427489	VCP410134	VCP393931	VCP391145
Sample Date	15 Aug 2023	18 May 2023	20 Dec 2022	23 Sep 2022
Machine Hours	3389	2923	2406	1971
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	211	209	208	47.3
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CONTAMINATION

Silicon	ppm	14	12	12	62
Sodium	ppm	2	3	3	8
Potassium	ppm	<1	2	0	2



WEAR METALS

Iron	ppm	82	47	30	95
Copper	ppm	2	2	1	7
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	0	0	<1
Chromium	ppm	1	<1	<1	1
Molybdenum	ppm	6	7	6	7
Nickel	ppm	<1	<1	1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	3	0
Manganese	ppm	2	1	<1	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	107	140	97	81
Magnesium	ppm	22	23	23	6
Zinc	ppm	85	90	79	111
Phosphorus	ppm	1291	1257	1187	2607
Barium	ppm	0	0	0	0
Boron	ppm	170	163	143	105

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: 10617649
Signed: Jonathan Hester
Report Date: 25 Aug 2023



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GRAPHS

