



CONSTRUCTION EQUIPMENT

SWO-064338 VOLVO A45G 352916 - DROP BOX



Sample No: VCP419138
Oil Type: NOT GIVEN
Job No: SWO-064338



SAMPLE INFORMATION

Sample Number	VCP419138	VCP404641	VCP403263	VCP362538
Sample Date	25 Jul 2023	04 May 2023	24 Jan 2023	07 Jul 2022
Machine Hours	3005	2493	1980	936
Oil Hours	0	0	0	936
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ATTENTION	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
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OIL CONDITION

Visc @ 40°C	cSt	44.0	44.9	45.3	50.0
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CONTAMINATION

Silicon	ppm	41	33	30	3
Sodium	ppm	10	9	5	6
Potassium	ppm	2	2	<1	13



WEAR METALS

Iron	ppm	776	439	261	96
Copper	ppm	13	11	11	1
Lead	ppm	0	0	0	1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	6	3	2	2
Molybdenum	ppm	4	4	4	9
Nickel	ppm	2	2	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	14	9	6	10
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	53	53	65	68
Magnesium	ppm	<1	6	3	5
Zinc	ppm	82	86	93	35
Phosphorus	ppm	2151	2215	2131	1673
Barium	ppm	0	0	<1	0
Boron	ppm	63	68	52	176

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other 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: 10575838
Signed: Don Baldrige
Report Date: 30 Jul 2023



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GRAPHS

