



CONSTRUCTION EQUIPMENT

SWO-064669 VOLVO A45G 352698 - TRANSMISSION (AUTO)



Sample No: VCP406872
Oil Type: DEXRON III
Job No: SWO-064669



SAMPLE INFORMATION

Sample Number	VCP406872	VCP408685	VCP367724	VCP390474
Sample Date	07 Aug 2023	16 May 2023	17 Jan 2023	12 Oct 2022
Machine Hours	4553	4038	3513	3026
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	NORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
BIRMINGHAM, AL
US 35207

Contact: STEPHANI BRITTON
sbritton@saiia.com;doug.bogart@wearcheck.com
T: (205)943-2268
F: (205)943-2269



OIL CONDITION

Visc @ 40°C	cSt	28.4	28.7	29.0	28.2
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CONTAMINATION

Silicon	ppm	▲ 22	4	5	7
Sodium	ppm	■ <1	<1	2	1
Potassium	ppm	■ 2	2	<1	2



WEAR METALS

Iron	ppm	■ 14	13	13	22
Copper	ppm	■ 6	10	9	20
Lead	ppm	■ 0	0	0	0
Tin	ppm	■ <1	2	1	3
Aluminum	ppm	▲ 22	6	4	9
Chromium	ppm	■ 0	0	0	0
Molybdenum	ppm	■ <1	<1	<1	<1
Nickel	ppm	■ <1	2	1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	■ 0	0	0	0
Manganese	ppm	■ <1	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 83	70	74	69
Magnesium	ppm	■ 8	1	<1	1
Zinc	ppm	■ 16	3	0	6
Phosphorus	ppm	■ 179	188	199	185
Barium	ppm	■ 0	0	0	2
Boron	ppm	■ 82	86	91	86

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend you service the filters on this component. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the fluid is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10603768
Signed: Don Baldrige
Report Date: 15 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

