



CONSTRUCTION EQUIPMENT

VOLVO A45G 352915 - DROP BOX



Sample No: VCP416622
Oil Type: {unknown}
Job No:



SAMPLE INFORMATION

Sample Number	VCP416622	VCP441165	VCP447552	VCP413517
Sample Date	09 Apr 2024	20 Mar 2024	06 Dec 2023	15 Aug 2023
Machine Hours	3396	3331	2854	2344
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	SEVERE	NORMAL	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	52.7	53.4	58.4	53.4
-------------	-----	-------------	------	------	------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	31	38	25	36
Sodium	ppm	4	6	4	6
Potassium	ppm	2	4	12	2



WEAR METALS

Iron	ppm	501	1165	162	186
Copper	ppm	17	23	13	15
Lead	ppm	0	1	<1	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	2	2	1
Chromium	ppm	3	12	2	2
Molybdenum	ppm	5	11	6	5
Nickel	ppm	<1	10	1	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	12	16	5	5
Vanadium	ppm	<1	<1	<1	0



ADDITIVES

Calcium	ppm	21	36	13	36
Magnesium	ppm	3	5	0	4
Zinc	ppm	90	106	64	105
Phosphorus	ppm	1657	2003	1373	2195
Barium	ppm	0	0	0	0
Boron	ppm	84	99	103	119

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level has decreased, but is still abnormal. 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: 10991798
Signed: Don Baldrige
Report Date: 24 Apr 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

