



CONSTRUCTION EQUIPMENT

SWO-067600 LHOIST VOLVO L350H 1007 - FRONT AXLE



Sample No: VCP445733
Oil Type: NOT GIVEN
Job No: SWO-067600 LHOIST



SAMPLE INFORMATION

Sample Number	VCP445733	VCP402616	VCP357755	VCP341609
Sample Date	17 Nov 2023	05 Apr 2023	15 Apr 2022	03 Nov 2021
Machine Hours	17555	1551	12518	10571
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	SEVERE	SEVERE	NORMAL	NORMAL

COWIN EQUIPMENT COMPANY

2238 PINSON VALLEY PARKWAY
 BIRMINGHAM, AL
 US 35217
 Contact: BRANTLY CLAY
 bclay@cowin.com
 T:
 F: (205)856-2106



OIL CONDITION

Visc @ 40°C	cSt	52.6	53.7	52.4	49.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	24	23	12	13
Sodium	ppm	2	1	6	6
Potassium	ppm	0	0	0	0



WEAR METALS

Iron	ppm	1161	1047	126	151
Copper	ppm	7	4	8	12
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	1	1
Aluminum	ppm	<1	2	1	<1
Chromium	ppm	2	2	<1	<1
Molybdenum	ppm	1	1	4	6
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	12	11	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2977	3282	3368	2867
Magnesium	ppm	7	8	60	61
Zinc	ppm	1244	1242	1335	1205
Phosphorus	ppm	1130	1088	1155	1074
Barium	ppm	2	0	0	0
Boron	ppm	82	101	116	108

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO8528
Unique No: 10755965
Signed: Sean Felton
Report Date: 28 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

