



CONSTRUCTION EQUIPMENT

SWO-067600 LHOIST VOLVO L350H 1007 - REAR AXLE



Sample No: VCP445731
Oil Type: NOT GIVEN
Job No: SWO-067600 LHOIST



SAMPLE INFORMATION

Sample Number	VCP445731	VCP402621	VCP373076	VCP341603
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	53.6	55.3	54.6	51.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	22	20	12	14
Sodium	ppm	2	1	6	6
Potassium	ppm	0	0	0	0



WEAR METALS

Iron	ppm	1127	1087	128	239
Copper	ppm	7	4	2	7
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	<1	2	2	1
Chromium	ppm	2	2	<1	<1
Molybdenum	ppm	1	2	4	7
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	13	12	2	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2965	3288	3299	3036
Magnesium	ppm	8	10	57	64
Zinc	ppm	1261	1276	1294	1240
Phosphorus	ppm	1149	1097	1142	1072
Barium	ppm	2	0	0	0
Boron	ppm	78	100	112	113

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: 10755966
Signed: Sean Felton
Report Date: 28 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

