



CONSTRUCTION EQUIPMENT

SWO-069538 LHOIST VOLVO L350H 1007 - FRONT AXLE



Sample No: VCP444440
Oil Type: {unknown}
Job No: SWO-069538 LHOIST



SAMPLE INFORMATION

Sample Number	VCP444440	VCP445733	VCP402616	VCP357755
Sample Date	09 Feb 2024	17 Nov 2023	05 Apr 2023	15 Apr 2022
Machine Hours	1802	17555	1551	12518
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	SEVERE	SEVERE	SEVERE	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	52.1	52.6	53.7	52.4
-------------	-----	-------------	------	------	------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	31	24	23	12
Sodium	ppm	0	2	1	6
Potassium	ppm	2	0	0	0



WEAR METALS

Iron	ppm	1551	1161	1047	126
Copper	ppm	8	7	4	8
Lead	ppm	1	<1	0	<1
Tin	ppm	0	0	0	1
Aluminum	ppm	1	<1	2	1
Chromium	ppm	4	2	2	<1
Molybdenum	ppm	2	1	1	4
Nickel	ppm	1	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	<1	0	0	<1
Manganese	ppm	16	12	11	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3049	2977	3282	3368
Magnesium	ppm	8	7	8	60
Zinc	ppm	1275	1244	1242	1335
Phosphorus	ppm	1131	1130	1088	1155
Barium	ppm	1	2	0	0
Boron	ppm	90	82	101	116

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: 10883437
Signed: Don Baldrige
Report Date: 17 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

