



CONSTRUCTION EQUIPMENT

19121 KOPPERS VOLVO L120H 632722 - FRONT AXLE



Sample No: VCP417424
Oil Type: TDTO FLUID SAE 10W
Job No: 19121 KOPPERS



SAMPLE INFORMATION

Sample Number	VCP417424	VCP424402	VCP398716	VCP332479
Sample Date	30 Jun 2023	13 Apr 2023	26 Jan 2023	15 Apr 2022
Machine Hours	5097	4605	4116	2467
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

117 - ASCENDUM MACHINERY INC - GREENVILLE
 2002 N GREENE ST
 GREENVILLE, NC
 US 27834
 Contact: ALLEN WILLIAMS
 allen.williams@ascendummachinery.com
 T:
 F: (704)494-8197



OIL CONDITION

Visc @ 40°C	cSt	49.0	49.5	43.9	40.9
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CONTAMINATION

Silicon	ppm	45	7	16	11
Sodium	ppm	2	3	5	5
Potassium	ppm	<1	0	2	1



WEAR METALS

Iron	ppm	128	51	152	149
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	14	1	1	1
Chromium	ppm	2	1	3	3
Molybdenum	ppm	4	4	3	5
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	4	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2671	2818	4074	3745
Magnesium	ppm	54	59	16	14
Zinc	ppm	1299	1246	1605	1630
Phosphorus	ppm	1052	1039	1281	1340
Barium	ppm	0	0	0	0
Boron	ppm	44	47	151	129

Diagnosis

Resample at the next service interval to monitor. All 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: VOLVO8769
Unique No: 10552851
Signed: Don Baldrige
Report Date: 14 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

