



CONSTRUCTION EQUIPMENT

19691 KOPPERS VOLVO L120H 632722 - FRONT AXLE



Sample No: VCP414156
Oil Type: VOLVO WB 102
Job No: 19691 KOPPERS



SAMPLE INFORMATION

Sample Number	VCP414156	VCP417424	VCP424402	VCP398716
Sample Date	21 Sep 2023	30 Jun 2023	13 Apr 2023	26 Jan 2023
Machine Hours	5554	5097	4605	4116
Oil Hours	82	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	NORMAL

117 - ASCENDUM MACHINERY INC - GREENVILLE
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 GREENVILLE, NC
 US 27834
 Contact: BRANDON JENKINS
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	43.1	49.0	49.5	43.9
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CONTAMINATION

Silicon	ppm	17	45	7	16
Sodium	ppm	1	2	3	5
Potassium	ppm	0	<1	0	2

Diagnosis

We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. 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.



WEAR METALS

Iron	ppm	12	128	51	152
Copper	ppm	1	0	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	14	1	1
Chromium	ppm	<1	2	1	3
Molybdenum	ppm	<1	4	4	3
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	2	4
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3870	2671	2818	4074
Magnesium	ppm	17	54	59	16
Zinc	ppm	1572	1299	1246	1605
Phosphorus	ppm	1216	1052	1039	1281
Barium	ppm	0	0	0	0
Boron	ppm	139	44	47	151

Depot: VOLVO8769
Unique No: 10673770
Signed: Don Baldrige
Report Date: 04 Oct 2023



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GRAPHS

