



CONSTRUCTION EQUIPMENT

SW1012647 MGC 05-03 VOLVO L110H 631398 - FRONT AXLE



Sample No: VCP397979
Oil Type: VOLVO WB 102
Job No: SW1012647 MGC 05-03



SAMPLE INFORMATION

Sample Number	VCP397979	VCP316146	VCP297388	VCP254330
Sample Date	13 Jan 2023	11 Jun 2021	03 Dec 2020	12 Jul 2019
Machine Hours	2544	2025	1744	1021
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	40.3	40.4	40.8	41.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	15	14	14
Sodium	ppm	9	2	4	3
Potassium	ppm	0	<1	0	19

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.



WEAR METALS

Iron	ppm	61	229	185	176
Copper	ppm	15	29	25	24
Lead	ppm	2	1	0	2
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	0	<1	<1
Chromium	ppm	2	6	5	4
Molybdenum	ppm	2	6	4	5
Nickel	ppm	<1	1	1	1
Titanium	ppm	<1	<1	1	1
Silver	ppm	0	<1	0	0
Manganese	ppm	2	8	8	5
Vanadium	ppm	<1	<1	1	0



ADDITIVES

Calcium	ppm	3897	4266	4170	4264
Magnesium	ppm	18	13	13	8
Zinc	ppm	1630	1544	1571	1648
Phosphorus	ppm	1280	1331	1243	1340
Barium	ppm	10	0	0	<1
Boron	ppm	131	230	116	116

Depot: VOLVO6174
Unique No: 10307996
Signed: Wes Davis
Report Date: 25 Jan 2023



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VOLVO GRAPHS

