



CONSTRUCTION EQUIPMENT

W14312 VOLVO L180H 5555 - L180H - FRONT AXLE



Sample No: VCP404683
Oil Type: VOLVO WB 102
Job No: W14312



SAMPLE INFORMATION

Sample Number	VCP404683	VCP411472	VCP385641	---
Sample Date	18 Jul 2023	10 Mar 2023	15 Nov 2022	---
Machine Hours	2585	2008	1488	---
Oil Hours	0	2000	500	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	40.0	40.1	40.4	---
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CONTAMINATION

Silicon	ppm	11	16	15	---
Sodium	ppm	8	3	8	---
Potassium	ppm	<1	4	0	---

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	80	102	69	---
Copper	ppm	9	7	4	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	2	2	---
Chromium	ppm	2	3	2	---
Molybdenum	ppm	3	4	2	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	6	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	4002	4482	3713	---
Magnesium	ppm	10	13	12	---
Zinc	ppm	1667	1768	1557	---
Phosphorus	ppm	1346	1456	1221	---
Barium	ppm	0	0	0	---
Boron	ppm	127	135	119	---

Depot: VOLVO0080
Unique No: 10573603
Signed: Wes Davis
Report Date: 26 Jul 2023



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GRAPHS

