



CONSTRUCTION EQUIPMENT

SWO-068173 APAC VOLVO L150H 6814 - REAR AXLE



Sample No: VCP414708
Oil Type: VOLVO WB 101
Job No: SWO-068173 APAC



SAMPLE INFORMATION

Sample Number	VCP414708	VCP354665	VCP303042	VCP288643
Sample Date	10 Dec 2023	12 Jun 2022	08 Mar 2021	06 Oct 2020
Machine Hours	7105	5188	2676	3920
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

COWIN EQUIPMENT COMPANY INC

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 OXFORD, AL
 US 36203
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OIL CONDITION

Visc @ 40°C	cSt	54.0	45.4	48.4	39.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	21	11	11	14
Sodium	ppm	<1	6	7	4
Potassium	ppm	2	0	7	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	39	49	26	57
Copper	ppm	0	19	12	26
Lead	ppm	0	<1	2	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	<1	<1
Chromium	ppm	0	1	<1	2
Molybdenum	ppm	9	6	5	3
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	<1	1
Silver	ppm	0	0	0	0
Manganese	ppm	0	1	1	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3514	3085	3291	4485
Magnesium	ppm	76	49	48	8
Zinc	ppm	1431	1227	1371	1769
Phosphorus	ppm	1209	1024	1131	1389
Barium	ppm	0	0	<1	0
Boron	ppm	117	101	96	121

Depot: COWOXF
Unique No: 10789037
Signed: Wes Davis
Report Date: 14 Dec 2023



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GRAPHS

