



# CONSTRUCTION EQUIPMENT

SWO-070859 VOLVO L220H 2940 - FRONT AXLE



**Sample No:** VCP436285  
**Oil Type:** VOLVO WET BRAKE TRANSAXLE OIL  
**Job No:** SWO-070859



## SAMPLE INFORMATION

Sample Number	VCP436285	VCP428698	VCP414007	VCP345695
Sample Date	03 Apr 2024	05 Dec 2023	22 Aug 2023	27 Jan 2022
Machine Hours	8626	8123	7630	3597
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	52.2	52.6	48.8	48.6
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	24	14	12	10
Sodium	ppm	3	3	6	1
Potassium	ppm	3	9	0	2

## 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	67	31	56	56
Copper	ppm	7	3	14	21
Lead	ppm	<1	2	0	<1
Tin	ppm	1	0	0	<1
Aluminum	ppm	3	2	3	2
Chromium	ppm	3	1	1	1
Molybdenum	ppm	9	5	1	5
Nickel	ppm	1	<1	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	3	1	2	2
Vanadium	ppm	<1	<1	0	0



## ADDITIVES

Calcium	ppm	4955	2301	3260	3495
Magnesium	ppm	86	24	34	56
Zinc	ppm	2095	1091	1318	1363
Phosphorus	ppm	1736	799	1100	1194
Barium	ppm	<1	0	0	0
Boron	ppm	162	87	109	109

**Depot:** SAIBIR  
**Unique No:** 10968191  
**Signed:** Doug Bogart  
**Report Date:** 11 Apr 2024



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## VOLVO GRAPHS

