



# CONSTRUCTION EQUIPMENT

X59249 VOLVO L220H 003442 - REAR AXLE



**Sample No:** VCP425799  
**Oil Type:** TDTO FLUID SAE 20  
**Job No:** X59249



## SAMPLE INFORMATION

Sample Number	<b>VCP425799</b>	VCP426439	VCP426323	VCP384445
Sample Date	<b>19 Feb 2024</b>	09 Jan 2024	21 Sep 2023	30 Mar 2023
Machine Hours	<b>5968</b>	5413	4161	2097
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>60.1</b>	59.3	54.7	40.0
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>15</b>	18	11	12
Sodium	ppm	<b>&lt;1</b>	0	1	11
Potassium	ppm	<b>&lt;1</b>	2	1	<1

## Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDTO FLUID SAE 20. Please confirm. 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	<b>14</b>	36	27	40
Copper	ppm	<b>0</b>	<1	2	<1
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>1</b>	2	2	<1
Chromium	ppm	<b>0</b>	<1	1	2
Molybdenum	ppm	<b>0</b>	<1	1	3
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	2	2	4
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3509</b>	3671	3494	3882
Magnesium	ppm	<b>19</b>	13	10	15
Zinc	ppm	<b>1271</b>	1293	1265	1629
Phosphorus	ppm	<b>1155</b>	1136	1108	1316
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>2</b>	3	29	130

**Depot:** SCOSAI  
**Unique No:** 10900265  
**Signed:** Wes Davis  
**Report Date:** 28 Feb 2024



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## GRAPHS

