



CONSTRUCTION EQUIPMENT

X59076 VOLVO L220H 003442 - REAR AXLE



Sample No: VCP426439
Oil Type: TDTO FLUID SAE 20
Job No: X59076



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SAMPLE INFORMATION

Sample Number	VCP426439	VCP426323	VCP384445	---
Sample Date	09 Jan 2024	21 Sep 2023	30 Mar 2023	---
Machine Hours	5413	4161	2097	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	59.3	54.7	40.0	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	18	11	12	---
Sodium	ppm	0	1	11	---
Potassium	ppm	2	1	<1	---



WEAR METALS

Iron	ppm	36	27	40	---
Copper	ppm	<1	2	<1	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	2	<1	---
Chromium	ppm	<1	1	2	---
Molybdenum	ppm	<1	1	3	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	2	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3671	3494	3882	---
Magnesium	ppm	13	10	15	---
Zinc	ppm	1293	1265	1629	---
Phosphorus	ppm	1136	1108	1316	---
Barium	ppm	2	0	0	---
Boron	ppm	3	29	130	---

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.

Depot: SCOSAI
Unique No: 10830978
Signed: Wes Davis
Report Date: 14 Jan 2024



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GRAPHS

