



CONSTRUCTION EQUIPMENT

X59249 VOLVO L220H 003442 - FRONT AXLE



Sample No: VCP426079
Oil Type: TDTO FLUID SAE 20
Job No: X59249



SAMPLE INFORMATION

Sample Number	VCP426079	VCP426484	VCP426114	VCP384435
Sample Date	19 Feb 2024	09 Jan 2024	21 Sep 2023	30 Mar 2023
Machine Hours	5968	5413	4161	2097
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	60.4	59.5	57.9	53.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	17	21	16	14
Sodium	ppm	<1	0	0	3
Potassium	ppm	<1	2	1	0

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	18	36	35	45
Copper	ppm	0	<1	1	0
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	1	2	2	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	<1	1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3544	3791	3376	3601
Magnesium	ppm	19	14	8	16
Zinc	ppm	1276	1340	1200	1327
Phosphorus	ppm	1134	1115	1071	1134
Barium	ppm	0	2	0	0
Boron	ppm	<1	3	10	33

Depot: SCOSAI
Unique No: 10900266
Signed: Wes Davis
Report Date: 28 Feb 2024



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GRAPHS

