



CONSTRUCTION EQUIPMENT

SW1013401 TERRA VOLVO L110H 631395 - REAR AXLE



Sample No: VCP396566
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: SW1013401 TERRA



SAMPLE INFORMATION

Sample Number	VCP396566	VCP363187	VCP313517	VCP302482
Sample Date	16 Mar 2023	13 Oct 2022	02 Mar 2022	12 Jan 2021
Machine Hours	7586	6672	5220	3496
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	47.6	48.7	49.0	49.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	13	15	15
Sodium	ppm	<1	2	6	7
Potassium	ppm	<1	2	0	5

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	20	131	91	49
Copper	ppm	<1	4	3	1
Lead	ppm	<1	1	1	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	<1	2	2	<1
Molybdenum	ppm	<1	2	2	2
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	2	3	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3100	3526	3504	3920
Magnesium	ppm	6	23	15	12
Zinc	ppm	1352	1401	1281	1520
Phosphorus	ppm	1166	1172	1096	1247
Barium	ppm	0	0	0	0
Boron	ppm	12	107	112	109

Depot: VOLVO5856
Unique No: 10389673
Signed: Wes Davis
Report Date: 24 Mar 2023



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VOLVO GRAPHS

