



CONSTRUCTION EQUIPMENT

VOLVO L120H 632105 - TRANSMISSION (AUTO)



Sample No: VCP429446
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP429446	VCP424512	VCP409528	VCP386051
Sample Date	23 Jan 2024	07 Jun 2023	10 Feb 2023	14 Nov 2022
Machine Hours	18925	18030	17307	16686
Oil Hours	0	8000	9000	8000
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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 2427 RWS RANCH RD
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OIL CONDITION

Visc @ 40°C	cSt	37.7	35.8	35.77	33.9
Viscosity Index (VI)	Scale	153	---	---	---



CONTAMINATION

Water	%	NEG	NEG	0.065	NEG
Silicon	ppm	7	6	7	6
Sodium	ppm	3	1	6	7
Potassium	ppm	4	2	2	<1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 246	▲ 197	▲ 187	▲ 191
Copper	ppm	12	11	10	11
Lead	ppm	1	2	3	2
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	3	4	4	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	13	9	6	5
Nickel	ppm	0	<1	0	<1
Titanium	ppm	5	5	4	5
Silver	ppm	0	0	<1	0
Manganese	ppm	4	4	5	4
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	764	636	563	504
Magnesium	ppm	267	190	184	167
Zinc	ppm	465	359	311	266
Phosphorus	ppm	486	398	374	307
Barium	ppm	5	0	0	0
Boron	ppm	57	53	49	52

Depot: GREDAVFL
Unique No: 10863260
Signed: Sean Felton
Report Date: 09 Feb 2024



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VOLVO GRAPHS

