



CONSTRUCTION EQUIPMENT

566237 NA MINING VOLVO L180H 004502 - TRANSMISSION (AUTO)



Sample No: VCP424501
Oil Type: VOLVO AT 102
Job No: 566237 NA MINING



SAMPLE INFORMATION

Sample Number	VCP424501	VCP393943	VCP353520	VCP354167
Sample Date	14 Jun 2023	06 Mar 2023	26 Aug 2022	01 Jun 2022
Machine Hours	10570	10109	8634	7886
Oil Hours	500	2000	2000	2000
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	ABNORMAL	ABNORMAL	SEVERE	SEVERE

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OIL CONDITION

Visc @ 40°C	cSt	27.8	27.6	26.2	26.3
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CONTAMINATION

Silicon	ppm	3	4	6	5
Sodium	ppm	2	2	1	2
Potassium	ppm	<1	3	2	1



WEAR METALS

Iron	ppm	224	189	580	490
Copper	ppm	4	3	10	8
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	<1	3	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	4	3
Vanadium	ppm	0	0	0	0

Diagnosis

The fluid change at the time of sampling has been noted. 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. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.



ADDITIVES

Calcium	ppm	82	88	121	116
Magnesium	ppm	2	7	14	14
Zinc	ppm	0	0	33	31
Phosphorus	ppm	199	198	213	177
Barium	ppm	0	0	3	0
Boron	ppm	77	76	57	64

Depot: VOLVO0093
Unique No: 10551227
Signed: Don Baldrige
Report Date: 13 Jul 2023

VOLVO **GRAPHS**

