



CONSTRUCTION EQUIPMENT

VOLVO L180H 5035 - TRANSMISSION (AUTO)



Sample No: VCP438760
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP438760	VCP446652	VCP422332	VCP401244
Sample Date	18 Apr 2024	07 Mar 2024	05 Dec 2023	24 Oct 2023
Machine Hours	13382	13060	12241	11898
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.9	34.3	28.1	28.49
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	4	4
Sodium	ppm	1	1	3	0
Potassium	ppm	0	2	0	2

Diagnosis

Resample at the next service interval to monitor. All 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	18	15	8	10
Copper	ppm	3	4	3	3
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	<1	2	0	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	84	77	71	87
Magnesium	ppm	<1	1	<1	0
Zinc	ppm	1	3	0	0
Phosphorus	ppm	207	204	195	200
Barium	ppm	0	0	0	0
Boron	ppm	89	82	95	89

Depot: VOLVO0090
Unique No: 10993569
Signed: Jonathan Hester
Report Date: 25 Apr 2024

VOLVO **GRAPHS**

