



CONSTRUCTION EQUIPMENT

607874 ASH GROVE VOLVO L180H 5419 - TRANSMISSION (AUTO)



Sample No: VCP440982
Oil Type: VOLVO AT 102
Job No: 607874 ASH GROVE



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SAMPLE INFORMATION

Sample Number	VCP440982	VCP412606	VCP417254	VCP404986
Sample Date	25 Sep 2023	18 Jul 2023	02 Jun 2023	14 Apr 2023
Machine Hours	10654	9778	9285	8764
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	27.7	28.3	28.4	26.8
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CONTAMINATION

Silicon	ppm	3	2	2	3
Sodium	ppm	2	2	<1	1
Potassium	ppm	0	0	1	0



WEAR METALS

Iron	ppm	21	13	12	37
Copper	ppm	2	1	2	4
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	78	78	74	72
Magnesium	ppm	0	1	1	2
Zinc	ppm	0	1	4	1
Phosphorus	ppm	196	206	194	181
Barium	ppm	0	0	0	0
Boron	ppm	95	90	90	75

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.

Depot: VOLVO0093
Unique No: 10670900
Signed: Don Baldrige
Report Date: 01 Oct 2023



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GRAPHS

