



CONSTRUCTION EQUIPMENT

D12587 VOLVO L70H 624717 - FRONT AXLE



Sample No: VCP418685
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: D12587



SAMPLE INFORMATION

Sample Number	VCP418685	VCP381282	VCP419530	VCP407375
Sample Date	04 Aug 2023	28 Jun 2023	24 May 2023	17 Apr 2023
Machine Hours	2770	2570	2349	2217
Oil Hours	421	353	132	1039
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ARING EQUIPMENT COMPANY INC - MAIN (MILWAUKEE)
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 BUTLER, WI
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OIL CONDITION

Visc @ 40°C	cSt	42.7	42.4	42.9	42.4
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CONTAMINATION

Silicon	ppm	19	18	18	19
Sodium	ppm	2	3	3	3
Potassium	ppm	<1	0	0	2



WEAR METALS

Iron	ppm	71	61	56	53
Copper	ppm	<1	1	1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	0
Chromium	ppm	2	2	2	2
Molybdenum	ppm	5	5	4	5
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	6	6	6	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3825	3683	3712	3675
Magnesium	ppm	16	16	20	15
Zinc	ppm	1581	1488	1519	1528
Phosphorus	ppm	1231	1199	1224	1204
Barium	ppm	0	0	0	0
Boron	ppm	137	135	148	132

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: VOLVO0069
Unique No: 10605107
Signed: Don Baldrige
Report Date: 16 Aug 2023



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VOLVO GRAPHS

