



CONSTRUCTION EQUIPMENT

BULK EXPRESS VOLVO L180H 5720 - TRANSMISSION (AUTO)



Sample No: VCP432361
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: BULK EXPRESS



SAMPLE INFORMATION

Sample Number	VCP432361	VCP434604	VCP434824	VCP408647
Sample Date	20 Dec 2023	07 Nov 2023	13 Sep 2023	20 Jul 2023
Machine Hours	2139	1692	1126	593
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	28.1	28.2	28.2	28.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	9	8	8
Sodium	ppm	3	3	4	3
Potassium	ppm	2	1	3	<1

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	59	54	44	35
Copper	ppm	7	6	5	4
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	5	5	4	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	83	81	104	87
Magnesium	ppm	5	3	5	5
Zinc	ppm	19	16	33	17
Phosphorus	ppm	210	197	217	196
Barium	ppm	14	4	0	4
Boron	ppm	69	72	82	77

Depot: VOLVO0096
Unique No: 10807703
Signed: Don Baldrige
Report Date: 29 Dec 2023

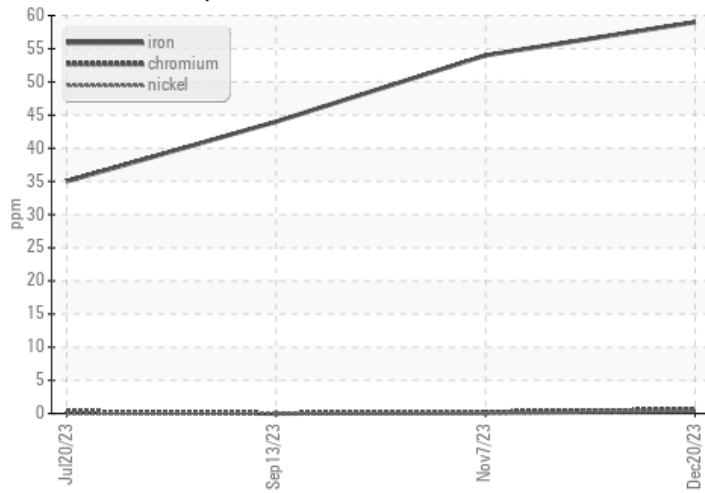


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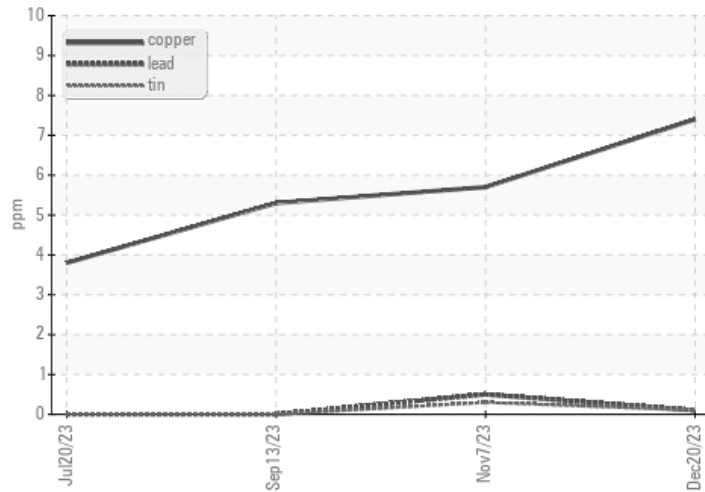


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

