



CONSTRUCTION EQUIPMENT

405980 CARR BROS VOLVO A40F 11213 - TRANSMISSION (AUTO)



Sample No: VCP383084
Oil Type: NOT GIVEN
Job No: 405980 CARR BROS



SAMPLE INFORMATION

Sample Number	VCP383084	VCP383069	VCE159415	VCE109099
Sample Date	04 Dec 2023	14 Nov 2023	27 Jun 2012	08 May 2012
Machine Hours	15931	15929	1568	0
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	N/A	N/A	N/A
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
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OIL CONDITION

Visc @ 40°C	cSt	28.2	28.21	34.73	31.81
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	9	11	9
Sodium	ppm	2	4	3	2
Potassium	ppm	<1	<1	0	2

Diagnosis

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. 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	249	235	48	33
Copper	ppm	36	37	316	147
Lead	ppm	0	0	0	<1
Tin	ppm	13	12	9	10
Aluminum	ppm	6	6	33	20
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	5	5	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	12	12	8	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	68	75	203	200
Magnesium	ppm	2	6	0	0
Zinc	ppm	<1	2	12	2
Phosphorus	ppm	180	184	333	367
Barium	ppm	0	0	0	0
Boron	ppm	74	74	90	85

Depot: VOLVO2990
Unique No: 10803073
Signed: Don Baldrige
Report Date: 24 Dec 2023



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GRAPHS

