Krause and Hall
Art 17 Brake test document

Measure the stopping distance of the un-laden machine without trailing load. Separate brake tests should be carried out for forward and reverse travel at maximum travel speed of 12 km/h

Machine make and model	**Manitou ART 17**
Machine number	**105, Serial number, 43105**
Location of test	**Chasewater Heritage railway**

	Stopping Distance Forward				
Test Speed (mph)	**Test 1**	**Test 2**	**Test 3**	**Average**	
12 km/h	**3.7**	**3.8**	**3.7**	**3.76**	**A**

	Stopping Distance Reverse				
Test Speed (mph)	**Test 1**	**Test 2**	**Test 3**	**Average**	
12km/h	**4.9**	**5**	**4.7**	**4.86**	**A**

Requirement

The average of the 3 brake tests above (Value A) must be less than either the requirements of RIS-1530-PLT (Value B) or less than a 10% increase over the last routine maintenance brake test.

Max stopping distance required by RIS-1530-PLT at test speed shown above.	**12m**	**B**

	Average Stopping Distance	+10%	
Last routine maintenance brake test	**Forward 3.54 Backward 4.66**	**Forward 3.89 Backward 5.12**	**C**

Park brake test

Calibrated instrument no:	**WF24019427**	**Expiry 11/03/2027**

Pull or tow the machine and record force, the machine should not move at the required pull force (or within 10%)

Pull test required	Pull test Achieved	Pass / Fail
862kg	**1680 KG**	**PASS**

Declaration

I confirm that the average stopping distance at this routine maintenance test (A) does not exceed the maximum permitted stopping distance required by RIS-1530-PLT (B) and has not exceeded the stopping distance of the previous routine maintenance brake test by more than 10% (C).

Date of test:	15/09/2026
Name of tester:	Peter Hutchinson
Signature of tester:	