

Tested by: _____

2022-05-09 to 2022-05-11

NO LOAD ENDURANCE TEST

Section 41

METHOD

Three previously untested samples of the connector Cat. No. WOER-T1-C-AC80-01, WOER-T1-C-AC48-01 and mating inlet were subjected to this test. The inlets were mounted on a vertical surface. The connector was inserted and withdrawn from each inlet under test by machine at a rate of approximately 10 operations per minute, under no- load for 10,000 operations.

During the test, after each 1000 cycles of operation, the connector and inlet were removed from the test fixture and dipped into a tank containing a solution of 5% by volume of salt and sand (ISO 12103-A4 Coarse Grade) suspended in distilled water, for a maximum of five seconds and then removed. The tank was filled with the solution to a depth of approximately one inch. The contact face of each connector was positioned horizontally and dipped in a manner allowing the contact face to come in contact with the solution. Each inlet was dipped with the exposed face positioned face downward, in a horizontal plane, allowing the exposed face to come in contact with the solution. Just prior to dipping each sample, the solution was stirred vigorously. After dipping each sample, the exterior surfaces of the sample were wiped off and the sample allowed to dry. Each sample was then reassembled on the test fixture and allowed to operate for another 1000 cycles of operation until a total of 10,000 cycles of operation was completed.

RESULTS

Cat. No.	Sample No.	Damage to Device Upon completion of 10,000 cycles
<u>WOER-T1-C-AC80-01</u>	A19	☐ YES ☒ NO
	A20	☐ YES ☒ NO
	A21	☐ YES ☒ NO
<u>WOER-T1-C-AC48-01</u>	B9	☐ YES ☒ NO
	B10	☐ YES ☒ NO
	B11	☐ YES ☒ NO

☒ There was no damage that impaired the function of the device.

☐ There was damage to samples _____ that impaired the function of the device.

Tested by: _____

2022-05-09 to 2022-05-11

NO LOAD ENDURANCE TEST (CONT'D):

Section 41

LAB USE ONLY:

No Load Endurance Data Chart for WOER-T1-C-AC80-01

Date / Time , Lab Conditions	Cycles	Damage that impaired functioning?					
		Sample 1 A19		Sample		Sample	
2022-05-09/9:00	0000-1000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/11:00	1001-2000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/13:00	2001-3000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/15:00	3001-4000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/17:00	4001-5000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/19:00	5001-6000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/8:00	6001-7000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/10:00	7001-8000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/12:00	8001-9000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/14:00	9001-10000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
Distilled Water: [ml]	600						
Sand [grams]	30						
Salt [grams]	30						

Lab Conditions:	24.7	°C	51.6	%RH	Date:	2022-05-09
Lab Conditions:	24.9	°C	54.7	%RH	Date:	2022-05-10

Tested by: _____

2022-05-09 to 2022-05-11

NO LOAD ENDURANCE TEST (CONT'D):

Section 41

LAB USE ONLY:

No Load Endurance Data Chart for WOER-T1-C-AC80-01

Date / Time , Lab Conditions	Cycles	Damage that impaired functioning?					
		Sample 2 A20		Sample		Sample	
2022-05-09/9:00	0000-1000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/11:00	1001-2000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/13:00	2001-3000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/15:00	3001-4000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/17:00	4001-5000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/19:00	5001-6000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/8:00	6001-7000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/10:00	7001-8000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/12:00	8001-9000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/14:00	9001-10000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
Distilled Water: [ml]	600						
Sand [grams]	30						
Salt [grams]	30						

Lab Conditions:	24.7	°C	51.6	%RH	Date:	2022-05-09
Lab Conditions:	24.9	°C	54.7	%RH	Date:	2022-05-10

Tested by: _____

2022-05-09 to 2022-05-11

NO LOAD ENDURANCE TEST (CONT'D):

Section 41

LAB USE ONLY:

No Load Endurance Data Chart for WOER-T1-C-AC80-01

Date / Time , Lab Conditions	Cycles	Damage that impaired functioning?					
		Sample 3 A21		Sample		Sample	
2022-05-09/9:00	0000-1000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/11:00	1001-2000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/13:00	2001-3000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/15:00	3001-4000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/17:00	4001-5000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-09/19:00	5001-6000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/8:00	6001-7000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/10:00	7001-8000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/12:00	8001-9000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/14:00	9001-10000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
Distilled Water: [ml]	600						
Sand [grams]	30						
Salt [grams]	30						

Lab Conditions:	24.7	°C	51.6	%RH	Date:	2022-05-09
Lab Conditions:	24.9	°C	54.7	%RH	Date:	2022-05-10

Tested by: _____

2022-05-09 to 2022-05-11

NO LOAD ENDURANCE TEST (CONT'D):

Section 41

LAB USE ONLY:

No Load Endurance Data Chart for WOER-T1-C-AC48-01

Date / Time , Lab Conditions	Cycles	Damage that impaired functioning?					
		Sample 1 B9		Sample		Sample	
2022-05-10/16:00	0000-1000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/18:00	1001-2000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/20:00	2001-3000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/8:00	3001-4000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/10:00	4001-5000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/12:00	5001-6000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/14:00	6001-7000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/16:00	7001-8000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/18:00	8001-9000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/20:00	9001-10000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
Distilled Water: [ml]	600						
Sand [grams]	30						
Salt [grams]	30						

Lab Conditions:	24.9	°C	54.7	%RH	Date:	2022-05-10
Lab Conditions:	24.7	°C	55.1	%RH	Date:	2022-05-11

Tested by: _____

2022-05-09 to 2022-05-11

NO LOAD ENDURANCE TEST (CONT'D):

Section 41

LAB USE ONLY:

No Load Endurance Data Chart for WOER-T1-C-AC48-01

Date / Time , Lab Conditions	Cycles	Damage that impaired functioning?					
		Sample 2 B10		Sample		Sample	
2022-05-10/16:00	0000-1000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/18:00	1001-2000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-10/20:00	2001-3000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/8:00	3001-4000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/10:00	4001-5000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/12:00	5001-6000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/14:00	6001-7000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/16:00	7001-8000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/18:00	8001-9000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
2022-05-11/20:00	9001-10000	☐ YES	☒ NO	☐ YES	☐ NO	☐ YES	☐ NO
Distilled Water: [ml]	600						
Sand [grams]	30						
Salt [grams]	30						

Lab Conditions:	24.9	°C	54.7	%RH	Date:	2022-05-10
Lab Conditions:	24.7	°C	55.1	%RH	Date:	2022-05-11

Tested by: _____

2022-05-09 to 2022-05-11

NO LOAD ENDURANCE TEST (CONT'D):

Section 41

LAB USE ONLY:

No Load Endurance Data Chart for WOER-T1-C-AC48-01

Date / Time , Lab Conditions	Cycles	Damage that impaired functioning?					
		Sample 3 B11		Sample		Sample	
2022-05-10/16:00	0000-1000	☐ YES	☒ NO	☒ YES	☒ NO	☒ YES	☒ NO
2022-05-10/18:00	1001-2000	☐ YES	☒ NO	☒ YES	☒ NO	☒ YES	☒ NO
2022-05-10/20:00	2001-3000	☐ YES	☒ NO	☒ YES	☒ NO	☒ YES	☒ NO
2022-05-11/8:00	3001-4000	☐ YES	☒ NO	☒ YES	☒ NO	☒ YES	☒ NO
2022-05-11/10:00	4001-5000	☐ YES	☒ NO	☒ YES	☒ NO	☒ YES	☒ NO
2022-05-11/12:00	5001-6000	☐ YES	☒ NO	☒ YES	☒ NO	☒ YES	☒ NO
2022-05-11/14:00	6001-7000	☐ YES	☒ NO	☒ YES	☒ NO	☒ YES	☒ NO
2022-05-11/16:00	7001-8000	☐ YES	☒ NO	☒ YES	☒ NO	☒ YES	☒ NO
2022-05-11/18:00	8001-9000	☐ YES	☒ NO	☒ YES	☒ NO	☒ YES	☒ NO
2022-05-11/20:00	9001-10000	☐ YES	☒ NO	☒ YES	☒ NO	☒ YES	☒ NO
Distilled Water: [ml]	600						
Sand [grams]	30						
Salt [grams]	30						

Lab Conditions:	24.9	°C	54.7	%RH	Date:	2022-05-10
Lab Conditions:	24.7	°C	55.1	%RH	Date:	2022-05-11