1000 Cranberry Woods Drive,
Cranberry Township, PA 16066

MSA Declaration of Conformity
In Accordance with ANSI/ASSP Z359.7-2021
IACC-23-003B - Z04 Rev 3

Statement of Conformity: MSA declares that the
MSA Winch
is in conformity with the requirements of
ANSI/ASSP Z359.4-2013

Product Code	**Model / Part Numbers Covered**
IACC-23-003B	10147301,10147569,10147568,10153757,10153756,10153755,10154683,10154684, 10154685,10154686, 10148277, 10185960, 10217097, 10217098, 10217099, 10217100

ANSI/ISEA 125-2014 conformity assessment method: ☐ Level 1 ☒ Level 2

For Level 2, information about ISO 17025-accredited facility in which the product was tested:

☒ The test facility is an independent 3rd Party ISO 17025-accredited facility
ISO Accrediting Agency: SCC

☐ The test facility is owned or partially owned by an entity within supplier's corporate structure, or within the manufacturing stream for this product, including subcontractors and sub-suppliers.

Report	Test Facility Used:	Test Facility Document #
1	Intertek	105035660CRT-001
2	Intertek	105035660CRT-002
3	Intertek	105035660CRT-003

For additional information about this product(s), please contact MSA Customer Service at 1-800-MSA-2222. When requesting information, please reference model number(s).

Brooke Conroy
Brooke Conroy (Jul 22, 2022 09:33 EDT)

QA Rep: Brooke Conroy Date: Jul 22, 2022 MM/DD/YYYY

April Winwood
April Winwood (Jul 20, 2022 11:12 EDT)

Qualified Person: April Winwood Date: Jul 20, 2022 MM/DD/YYYY

Performance Details
Revision 3

Report	Standard and Product Requirements	Acceptance Criteria	Pass / Fail
1, 2, 3	4.3.6.1 Static Strength Test, Hoist Line Termination: The static tensile strength test equipment shall be as specified in 4.1.6. Apply a load of 3,100 pounds (13.8kN) using the static tensile test equipment to the winding drum connection and maintain this load for a period of one minute. Release the load and evaluate the hoist in accordance with 3.2.8.4. The hoist shall sustain a static load equal to four times the maximum capacity of the hoist for a period of at least one minute. Following this static test, the hoist shall successfully complete the tests conducted in accordance with 4.3.6.2 and 4.3.6.3.	N/A	Pass
1, 2, 3	4.3.6.2 Static Strength Test, Hoist: The static tensile strength test equipment shall be as specified in 4.1.6. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line. The hoist shall be prepared for the test by fixing the input shaft or mechanism such that the load will be transmitted through the entire hoist drive train from the input to the winding drum. All brakes, including the primary brake shall be disengaged. Apply a load using the static tensile test equipment equal to four times the maximum capacity of the hoist via the hoist line and maintain this load for a period of one minute. Release the load and rotate or activate the hoist input to produce movement of the drum equal to one quarter of the total drive train reduction and repeat the static test. Following the static test, conduct the function, slippage test in 4.3.6.4 and the function test, primary brake in 4.3.6.5. Compare the results to the requirements of 3.2.8.5.	N/A	Pass

1, 2, 3	4.3.6.3 Function Test, Force to Raise/Lower (AMBIENT): The test weight and force measurement gage shall be in accordance with 4.1.2 and 4.1.7 respectively. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line. Connect a rigid weight equal to the maximum capacity of the hoist to the end of the hoist line. Using the manual operating means of the hoist, raise the load until it is fully suspended by the hoist line. Using the force measurement gage, measure the force required to raise the load as it would be applied in use by the rescuer. Conduct this measurement three times over one full revolution of the hoist-winding drum. Determine the average of the three measurements and compare this result to the requirements of 3.2.8.5. Using the same procedure as above, determine the force required to lower the load. Compare this result to the requirements of 3.2.8.5.	Max Force ≤ 30 lbs	Pass
1, 2, 3	4.3.6.3 Function Test, Force to Raise/Lower (HEAT): The test weight and force measurement gage shall be in accordance with 4.1.2 and 4.1.7 respectively. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line. Connect a rigid weight equal to the maximum capacity of the hoist to the end of the hoist line. Using the manual operating means of the hoist, raise the load until it is fully suspended by the hoist line. Using the force measurement gage, measure the force required to raise the load as it would be applied in use by the rescuer. Conduct this measurement three times over one full revolution of the hoist-winding drum. Determine the average of the three measurements and compare this result to the requirements of 3.2.8.5. Using the same procedure as above, determine the force required to lower the load. Compare this result to the requirements of 3.2.8.5.	Max Force ≤ 30 lbs	Pass

1, 2, 3	4.3.6.3 Function Test, Force to Raise/Lower (COLD): The test weight and force measurement gage shall be in accordance with 4.1.2 and 4.1.7 respectively. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line. Connect a rigid weight equal to the maximum capacity of the hoist to the end of the hoist line. Using the manual operating means of the hoist, raise the load until it is fully suspended by the hoist line. Using the force measurement gage, measure the force required to raise the load as it would be applied in use by the rescuer. Conduct this measurement three times over one full revolution of the hoist-winding drum. Determine the average of the three measurements and compare this result to the requirements of 3.2.8.5. Using the same procedure as above, determine the force required to lower the load. Compare this result to the requirements of 3.2.8.5.	Max Force ≤ 30 lbs	Pass
1, 2, 3	4.3.6.3 Function Test, Force to Raise/Lower (WET): The test weight and force measurement gage shall be in accordance with 4.1.2 and 4.1.7 respectively. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line. Connect a rigid weight equal to the maximum capacity of the hoist to the end of the hoist line. Using the manual operating means of the hoist, raise the load until it is fully suspended by the hoist line. Using the force measurement gage, measure the force required to raise the load as it would be applied in use by the rescuer. Conduct this measurement three times over one full revolution of the hoist-winding drum. Determine the average of the three measurements and compare this result to the requirements of 3.2.8.5. Using the same procedure as above, determine the force required to lower the load. Compare this result to the requirements of 3.2.8.5.	Max Force ≤ 30 lbs	Pass

1, 2, 3	4.3.6.4 Function Test, Slippage (AMBIENT): The test weight shall be in accordance with 4.1.2. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line. Connect a rigid weight equal to 125% of the maximum capacity of the hoist to the end of the hoist line. Using the manual or powered operating means of the hoist, raise and lower the load over a distance of at least 10 feet (3m). Observe the hoisting function for any slippage of the load as it is raised or lowered. Conduct this test three times and compare the results with the requirements of 3.2.8.5.	Slippage < 4 inches	Pass
1, 2, 3	4.3.6.4 Function Test, Slippage (HEAT): The test weight shall be in accordance with 4.1.2. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line. Connect a rigid weight equal to 125% of the maximum capacity of the hoist to the end of the hoist line. Using the manual or powered operating means of the hoist, raise and lower the load over a distance of at least 10 feet (3m). Observe the hoisting function for any slippage of the load as it is raised or lowered. Conduct this test one time and compare the results with the requirements of 3.2.8.5.	Slippage < 4 inches	Pass
4.3.6.4	Function Test, Slippage (COLD): The test weight shall be in accordance with 4.1.2. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line. Connect a rigid weight equal to 125% of the maximum capacity of the hoist to the end of the hoist line. Using the manual or powered operating means of the hoist, raise and lower the load over a distance of at least 10 feet (3m). Observe the hoisting function for any slippage of the load as it is raised or lowered. Conduct this test one time and compare the results with the requirements of 3.2.8.5.	Slippage < 4 inches	Pass

4.3.6.4	Function Test, Slippage (WET): The test weight shall be in accordance with 4.1.2. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line. Connect a rigid weight equal to 125% of the maximum capacity of the hoist to the end of the hoist line. Using the manual or powered operating means of the hoist, raise and lower the load over a distance of at least 10 feet (3m). Observe the hoisting function for any slippage of the load as it is raised or lowered. Conduct this test one time and compare the results with the requirements of 3.2.8.5.	Slippage < 4 inches	Pass
1, 2, 3	4.3.6.5 Function Test, Primary Brake (AMBIENT): The test weight shall be in accordance with 4.1.2. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line. Connect a rigid weight equal to 125% of the maximum capacity of the hoist to the end of the hoist line. Using the manual or powered operating means of the hoist, raise the load until it is completely suspended and at least 2 feet (0.6m) above the ground. Measure and record the level of the weight relative to the ground (or other fixed reference point). Without raising or lowering the weight from this position, release the operating control of the hoist. Measure and record the new position of the weight and determine the distance the weight traveled following release of control. Conduct this measurement process three times over one full revolution of the hoist-winding drum. Determine the average of the three measurements and compare this result to the requirements of 3.2.8.5.	Slippage < 4 inches	Pass

1, 2, 3	4.3.6.5 Function Test, Primary Brake (HEAT): The test weight shall be in accordance with 4.1.2. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line. Connect a rigid weight equal to 125% of the maximum capacity of the hoist to the end of the hoist line. Using the manual or powered operating means of the hoist, raise the load until it is completely suspended and at least 2 feet (0.6m) above the ground. Measure and record the level of the weight relative to the ground (or other fixed reference point). Without raising or lowering the weight from this position, release the operating control of the hoist. Measure and record the new position of the weight and determine the distance the weight traveled following release of control. Conduct this measurement process one time over one full revolution of the hoist-winding drum. compare this result to the requirements of 3.2.8.5.	Slippage < 4 inches	Pass
1, 2, 3	4.3.6.5 Function Test, Primary Brake (COLD): The test weight shall be in accordance with 4.1.2. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line. Connect a rigid weight equal to 125% of the maximum capacity of the hoist to the end of the hoist line. Using the manual or powered operating means of the hoist, raise the load until it is completely suspended and at least 2 feet (0.6m) above the ground. Measure and record the level of the weight relative to the ground (or other fixed reference point). Without raising or lowering the weight from this position, release the operating control of the hoist. Measure and record the new position of the weight and determine the distance the weight traveled following release of control. Conduct this measurement process one time over one full revolution of the hoist-winding drum. compare this result to the requirements of 3.2.8.5.	Slippage < 4 inches	Pass

1, 2, 3	4.3.6.5 Function Test, Primary Brake (WET): The test weight shall be in accordance with 4.1.2. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line. Connect a rigid weight equal to 125% of the maximum capacity of the hoist to the end of the hoist line. Using the manual or powered operating means of the hoist, raise the load until it is completely suspended and at least 2 feet (0.6m) above the ground. Measure and record the level of the weight relative to the ground (or other fixed reference point). Without raising or lowering the weight from this position, release the operating control of the hoist. Measure and record the new position of the weight and determine the distance the weight traveled following release of control. Conduct this measurement process one time over one full revolution of the hoist-winding drum. compare this result to the requirements of 3.2.8.5.	Slippage < 4 inches	Pass
1, 2, 3	4.3.6.9 Function Test, Secondary Brake (AMBIENT): The test weight shall be in accordance with 4.1.2. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line and the primary brake shall be disabled. Connect a rigid weight equal to 125% of the maximum capacity of the hoist to the end of the hoist line. Using the manual or powered operating means of the hoist, raise the load until it is completely suspended and at least 4 feet (1.2m) above the ground. Measure and record the level of the weight relative to the ground (or other fixed reference point). Without raising or lowering the weight from this position, release the operating control of the hoist to allow the secondary brake to activate. Measure and record the new position of the weight and determine the distance the weight traveled following release of control. Compare this result to the requirements of 3.2.8.5.	Slippage < 4 inches	Pass

1, 2, 3	4.3.6.9 Function Test, Secondary Brake (HEAT): The test weight shall be in accordance with 4.1.2. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line and the primary brake shall be disabled. Connect a rigid weight equal to 125% of the maximum capacity of the hoist to the end of the hoist line. Using the manual or powered operating means of the hoist, raise the load until it is completely suspended and at least 4 feet (1.2m) above the ground. Measure and record the level of the weight relative to the ground (or other fixed reference point). Without raising or lowering the weight from this position, release the operating control of the hoist to allow the secondary brake to activate. Measure and record the new position of the weight and determine the distance the weight traveled following release of control. Compare this result to the requirements of 3.2.8.5.	Slippage < 4 inches	Pass
1, 2, 3	4.3.6.9 Function Test, Secondary Brake (COLD): The test weight shall be in accordance with 4.1.2. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line and the primary brake shall be disabled. Connect a rigid weight equal to 125% of the maximum capacity of the hoist to the end of the hoist line. Using the manual or powered operating means of the hoist, raise the load until it is completely suspended and at least 4 feet (1.2m) above the ground. Measure and record the level of the weight relative to the ground (or other fixed reference point). Without raising or lowering the weight from this position, release the operating control of the hoist to allow the secondary brake to activate. Measure and record the new position of the weight and determine the distance the weight traveled following release of control. Compare this result to the requirements of 3.2.8.5.	Slippage < 4 inches	Pass

1, 2, 3	4.3.6.9 Function Test, Secondary Brake (WET): The test weight shall be in accordance with 4.1.2. Install the hoist to the test structure in accordance with the manufacturer's instructions. For this test, the hoist drum shall be filled to capacity (maximum useable length) with hoist line and the primary brake shall be disabled. Connect a rigid weight equal to 125% of the maximum capacity of the hoist to the end of the hoist line. Using the manual or powered operating means of the hoist, raise the load until it is completely suspended and at least 4 feet (1.2m) above the ground. Measure and record the level of the weight relative to the ground (or other fixed reference point). Without raising or lowering the weight from this position, release the operating control of the hoist to allow the secondary brake to activate. Measure and record the new position of the weight and determine the distance the weight traveled following release of control. Compare this result to the requirements of 3.2.8.5.	Slippage < 4 inches	Pass

Revision	Date	Project Engineer	Qualified Person
0	6/16/2014	J. Wu	D. Bao
1	11/30/2016	D. Bao	D. Bao
2	12/10/2020	D. Bao	D. Bao
3	7/19/2022	RyKai Wright	April Winwood