

State of California
Department of Food and Agriculture
Division of Measurement Standards

Certificate Number: 5355-03
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California Type Evaluation Program
Certificate of Approval
for Weighing and Measuring Devices

For:

Hopper Scale Weighing/Load Receiving Element
Load Cell Electronic
Model: A-40-4
Capacity: 20 000 lb to 37 500 lb
 n_{\max} : 2 000
 e_{\min} : 20 lb

Accuracy Class: III L

Submitted by:

CMI-TEREX Corp.
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Standard Features and Options

Primary weight indications and motion detection are provided by an approved and compatible weight indicator.

Hopper construction: Mild steel

Dimensions: Height: 51" to 127.5"
Length: 78" to 171.6"
Width: 48" to 105.6"

Load cell type: (4) Rice Lake Model RL20000B-15K (Certificate of Conformance number 98-044)
capacity 15 000 lb or certified equivalent.

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: December 31, 2003



Mike Cleary, Director

CMI-TEREX, Corp.
Hopper Scale Weighing/Load Receiving Element
Model: A-40-4

Application: Construction material hopper scale weighing element when interfaced to an approved and compatible indicating element.

Identification: The identification plate is riveted to the right side of the load cell junction box which is permanently mounted to the scale frame.

Sealing: The junction box may be sealed with a wire security seal threaded through a drilled head bolt and an adjacent eye on the cover. Sealing for the calibration and configuration parameters is provided by the certified and compatible indicating element.

Test Conditions: The Model A-40-4 weighing element was submitted for evaluation and interfaced with a Rice Lake, Model IQ800 indicator (Certificate of Approval Number 3744(b)-97). The hopper dimensions, as tested, were 102" high by 156" long by 96" wide. The 40 000 lb capacity weighing element was tested to capacity using 10 000 lbs of known test weights. However, due to test site limitations, the permanence test was limited to 30 000 lbs to fulfill the minimum use requirements. The emphasis of the evaluation was on device design, marking requirements, and performance of the weighing element. Several increasing/decreasing load, discrimination, and return to zero tests were initially performed and then retested after approximately 30 days and a minimum of 300 normal use weighments.

Results of the evaluation indicate the device complies with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2003 Edition

Tested By: Ken Jones (CA)