

**BELOW-THE-HOOK LIFTING DEVICE**  
**Engineering Note Cover Page**

Lifting Device Numbers:

FNAL Site No/ NA Div. Specific No. 166 Asset No. NA  
 If applicable If applicable If applicable

ASME B30.20 Group:  Group I Structural and Mechanical Lifting Devices  
 (check one)  Group II Vacuum Lifting Devices  
 Group III Magnets, Close Proximity Operated  
 Group IV Magnets, Remote Operated

Device Name or Description

55 Gallon Drum Lifting Fixture

Device was  Purchased from a Commercial Lifting  
 Device Manufacturer. Mfg Name MORSE MFG CO, INC.  
 (check all  Designed and Built at Fermilab  
 applicable)  Designed by Fermilab and Built by a  
 Vendor. Assy drawing number \_\_\_\_\_  
 Provided by a User or other Laboratory  
 Other: Describe \_\_\_\_\_

Engineering Note Prepared by Del Allspach Date 5-8-08

Engineering Note Reviewed by \_\_\_\_\_ Date \_\_\_\_\_

Lifting Device Data:

Capacity 1000 lbsFixture Weight 22 lbsService:  normal  heavy  severe (refer to B30.20 for definitions)Duty Cycle NA 8, 16 or 24 hour rating (applicable to groups III, and IV)Inspections Frequency MonthlyRated Load Test by FNAL (if applicable) NA Date \_\_\_\_\_ Load \_\_\_\_\_ Check if Load Test was by Vendor and attach the certificate

Satisfactory Load Test Witnessed by: \_\_\_\_\_

Signature (of Load Test Witness) \_\_\_\_\_

Notes or Special Information:



# CERTIFICATE OF RATED LOAD TEST

## CERTIFICATE OF RATED LOAD TEST FOR MORSE BELOW-THE-HOOK DRUM LIFTER

DRUM HANDLER: Model # 92 Serial # 0107 T  
Rated Load (for full drum) 1,000 Lbs.

TEST DRUM: Size and Type (55 gallon steel drum unless otherwise specified)  
\* Weight of Drum 1250 Lbs.

TEST INFORMATION: Height of Lift (height in inches) \_\_\_\_\_ Pass \_\_\_\_\_  
OR  This model does not have a specific dispensing height.  
Rotation of Drum (Angle in degrees) \_\_\_\_\_ Pass \_\_\_\_\_  
OR  This model does not tilt drum.

OPERATIONAL TEST: Inspect moving parts, latches and drum holder mechanism for proper operation Pass /

CERTIFICATION: The Morse drum handler identified above has been tested by means of lifting a test drum a sufficient distance to assure that the load was supported by the lifter, or if appropriate, to the specified maximum height. This test is required for compliance with ANSI/ASME B30-20.

TESTED AND INSPECTED BY: John M. Oakley DATE: 1,02,07

Note: Size and type of drum must be consistent with recommended use of the Morse drum handler. (ie. 55 gallon steel drum with ribs.)  
Note: Morse recommends that the test drum be approximately 125% of rated load as marked on the drum handler.

\* Factory recommended test drum loads for Morse below-the-hook drum lifters:

Rated Load of Unit	2,000 Lb.	1,500 Lb.	1,000 Lb.	800 Lb.	750 Lb.
Test Drum Load	2,500 Lb.	1,875 Lb.	1,250 Lb.	1,000 Lb.	950 Lb.

