

# FORM V

## Prescribed by the Government of India under DOCK WORKERS (SAFETY, HEALTH AND WELFARE) REGULATIONS, 1990

(See Regulations 47(1) and 51(2))

### Certificate of Initial & Periodical Test & Examination of Loose Gear

Test Certificate No.: GK/13925/2014

(a) In case of Dock, wharf of Quay  
Name of dock, wharf of Quay  
where Lifting  
Appliances are fitted :

(b) In case of Ship-  
Name of the Ship : JAG PRACHI.  
Official Number :  
Call Sign :  
Port of Registry :  
Name of Owner :

| Distinguishing Number or mark<br><br>(1) | Description Dimension and material of gear / device<br><br>(2)  | Number tested<br><br>(3) | Date of test<br><br>(4) | Test load applied<br><br>(5) | Safe working load (SWL)<br><br>(6) |
|--|---|--------------------------|-------------------------|------------------------------|------------------------------------|
|  |   |                          |                         | (Tonnes)                     | (Tonnes)                           |
| MAK / 2<br>3<br>SWL 0.5 T                | Manila rope pilot ladder with wooden steps & rubber steps with thimble on top.<br><br>Length of the ladder = 9 meters.<br>Manila rope dia = 18 mm.<br>Wooden steps = 26 nos.<br>Wooden step size = 500 X 115 X 25 mm.<br>Gap between the steps = 12 inches.<br>Spreader = 3 nos.<br>Size of the spreader = 1800 X 115 X 25 mm.<br>Rubber steps = 4 nos.<br>Rubber steps size = 500 X 115 X 28 mm. | 1 No.                    | 01.02<br>2014           | 0.75 T                       | 0.5 T                              |

7. Name and address of manufacturer or suppliers. :

M.Adamji Kathawala,  
421, Narshi Natha Street,  
Mumbai-400 009.

8. Initial test and examination certificate no. and date (only in case of periodical test and examination) :

9. Name and address of public service, association, company or firm or testing establishment making the test and examination. :

**GEE KAY INDUSTRIES (INDIA)**  
17A, Sitafal Wadi, Mount Road, Mazagaon,  
Mumbai - 400 010.

10. Name and position of the Competent person in public service, association, company or firm or testing establishment. :

**MIQUDAD H. G. ABBASI**  
(Proprietor)

I certify that on the 01<sup>st</sup> day of February, 2014, the above gear was tested and examined in the manner set forth overleaf, that the examination showed the said gear / device withstood the test load without injury or deformation; and that the safe working load of the said gear/device as shown in column 6.

Signature of the Competent person  
(See Note 2)



**41/8-T2001-DS. DT 30-12-2013**

01.02.2014

Registration / Authority number of the Competent Person

Seal

Date :

## NOTES

1. Column (2) : The dimensions of the loose gear, the type of material of which it is made and where applicable the heat treatment received in manufacture should be stated (unless Form No. VII is used for the purpose)
2. "Competent person" means
  - (i) a person belonging to a testing establishment in India who is approved by the Chief Inspector for the purposes of testing, examination or annealing and certification of lifting appliances, loose gears or wire ropes.
  - (ii) any other person who is recognised under the relevant regulations in force in other countries as competent for issuing certificates for any of the purposes mentioned in sub-clause (i) for implementation of the Protection against Accidents (Dockers) Convention (Revised), 1932 (No. 32) and the Convention concerning the Occupational Safety and Health in Dock work (No. 152), 1979, adopted by International Labour Conference.

## INSTRUCTIONS

### Loose gear

1. a) Every ring, hook, chain, shackle, swivel, eye bolt, plate clamps, triangular plate shall be subjected to test which shall not be less than the following.

| <u>SWL (in tonnes)</u> | <u>Test Load (in tonnes)</u> |
|------------------------|------------------------------|
| Upto 25                | 2 x Safe working load (SWL)  |
| Above 25               | (1.22 x SWL) + 20            |

- b) In the case of a single sheave block, the SWL, shall be maximum load which can safely be lifted by the Block when suspended by its head fitting and the load is attached to a rope which passes around the sheave of the block and test load not less than four times the proposed safe working load shall be applied to the head of the block.
- c) In the case of the multi-sheave block, the test load shall not be less than the following.

| <u>SWL (in tonnes)</u> | <u>Test Load (in tonnes)</u> |
|------------------------|------------------------------|
| Upto 25                | 2 x Safe working load (SWL)  |
| Above 25 to 160        | (0.933 x SWL + 27)           |
| Above 160              | 1.1 x SWL                    |

- d) In case of hand operated pulley blocks used with pitched chains and rings, hooks, shackles or swivels permanently attached thereto a test load not less than 50 percent in excess of the safe working load shall be applied.
- e) In case of a pulley block fitted with a bucket, the bucket shall be tested and the test load applied to the bucket while testing the block will be accepted as test loading of the bucket.
- f) In the case of a sling having two legs, the safe working load shall be calculated when the angle between two legs is 90°. In case of multi-legged slings the safe working load shall be calculated as per the national standards.
- g) Every lifting beam, lifting frame, container spreader, bucket, tub and other such gear shall be subject to a test load which shall not be less than that given in table below.

| <u>SWL (in tonnes)</u> | <u>Test Load (in tonnes)</u> |
|------------------------|------------------------------|
| Upto 10                | 2 x Safe working load (SWL)  |
| Above 10 to 160        | (1.04 x SWL) + 9.6           |
| Above 160              | 1.1 x SWL                    |

- h) (i) Before any test is carried out, a visual inspection of the lifting appliances of loose gear or lifting devices involved shall be conducted and any visible defective gear shall be replaced or renewed.
- (ii) After being tested, all the loose gear and other such gears shall be examined. All the sheaves and the pins of the pulley blocks shall be removed to see whether any part has been injured or permanently deformed by the test.

2. The test and examination must be made by a Competent Person.