

## **Op 39**

### **Carriage Mounted Extending Jib Hydraulic - 'CMXH' Series**

#### **Specification:**

Designed for mounting directly onto the carriage of an industrial fork lift truck to enable unpalletised loads to be handled using the swivel hook provided.

#### **Fitting:**

With the lower attachment hangers removed and the jib resting on a raised surface, drive the fork truck slowly forwards until the top of the truck carriage plate contacts the backplate of the attachment just below the top hangers. Carefully raise the mast until the centralising lug on the attachment drops into the central castellation on the carriage plate and the top hangers fit snugly on the top of the carriage rail. The bottom hangers must then be bolted in position through the holes provided. Connect the quick release couplings on the hydraulic hoses to those on the truck.

#### **Operation:**

Position the truck as close to the intended load as possible. Extend the centre section of the jib by operating the lever on the hydraulic valve, until the hook is in the required position. Having ensured that the truck/attachment capacity is sufficient to lift the load in the chosen position, the load can then be lifted and transported, by either fitting the hook directly onto the load or by using suitable slings or chains.

In travelling mode, the bottom of the load shall not be higher than 300mm from ground level and the mast shall be either substantially vertical or tilted backwards.

The load rating of a truck fitted with a jib shall not exceed the truck's rated capacity with fork arms.  
The truck must be operated only on substantially firm, smooth, level and prepared surfaces.  
The hydraulic cylinder should never be extended or retracted once the load has been lifted.

When a fork lift truck is fitted with a jib having a hook and shackle, it is subject to various regulations dependent on its operational site, and is considered as a mobile crane with respect to the requirements of the clause following. Although movement of the hook can be achieved by tilting the mast, this is not considered to be a jib where a safe load indicator is required.

When a jib is attached to a fork lift truck it is important to note that the truck is deemed to be a crane.

Thorough examination of the attachment, hook, shackle and eyebolt should be carried out and recorded every six months. ('Refer to the Lifting Operations and Lifting Equipment Regulations 1998' & 'The Provision of Work Equipment Regulations 1998' for further information)

When fitted with a jib, the truck's lifting system when vertical shall not be elevated to raise the hook position more than 4500 mm above ground level.

Ensure that a visual examination of the jib is carried out before each period of use. Particular attention should be paid to the shackle pin holes, shackles and hook. The hydraulic cylinder should be checked each day, prior to use, for leaks or signs of damage. The hoses should be checked for any sign of leaking or cracking.

Ensure that the safe working loads indicated on the jib capacity chart are not exceeded.

#### **Note:**

The standard hook provided swivels only to facilitate correct hook positioning prior to lifting. If regular hook rotation under load conditions is required a different hook must be fitted. The manufacturer should be consulted before repairs are undertaken.

**Consult the truck manufacturer if in doubt.**

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