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### Safe Working Practices:

#### SWP- 38 Use of Engine / Transmission Support Beam

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Before doing any type of work you must carry out an assessment of the task to be undertaken. This will include the equipment to be worked on, the task itself, Personal Protective Equipment requirements, the work area and environment, plus the tools and equipment required to carry out the job safely. Consult your team leader if you are not satisfied the job can be carried out in a safe manner.

**In addition to service/repair manual guidelines, the following must always be applied:**

#### General

- 1.0 Lifting equipment must be maintained in accordance with relevant company procedures. In particular, note the procedures PA-12-Maintenance of Work Equipment and P6-05-Thorough Examination of Lifting Equipment.
- 1.1 On no account should any items not issued or designed for lifting purposes be used to supplement the lifting.
- 1.2 Select a safe working area (refer to SWP-01 - Work Area).
- 1.3 Conduct 'before use inspections' on all lifting equipment in accordance with SWP-06 - Use of Lifting Equipment.
- 1.4 Ensure appropriate PPE is worn at all times (refer to SWP-32 PPE).
- 1.5 Because of the difficulty in specifying maximum loads that an individual may be expected to handle, the company has decided to provide general instructions on Manual Handling of Loads. (refer to SWP-13 Manual Handling). It is essential that before any work commences that the instructions on lifting in the Safe Working Practises Manual are read and understood.

#### Work Process

**To support the bell housing end of the transmission when removing the engine, or to support the fly wheel end of engine when removing the transmission.**

- 2.0 Position step ladders at the side of the truck and lever off the middle roof panel (if fitted) from the overhead guard (OHG).
- 2.1 Place the Transmission Engine Support Beam (fig 1.) on the level surface of the OHG avoiding the sloping surface, with the lifting eye positioned as per Fig 2. and attach the chain block (fig. 3.).

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Fig 1.



Fig 2.



Fig 3.

2.2 Attach the chains to the engine / transmission. (A strap/sling is required when fitting to the transmission) see fig 4 and 5.

2.3 Adjust the chain length until taught, in order to support the engine / transmission.



Fig 4.



Fig 5.

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#### **Children and Young Persons**

- 3.0 See Safety & Environmental Manual procedure “Employment of Young Persons” for precise definitions on children and young persons.
- 3.1 “Children” will not be involved with tasks directly involving the use of lifting equipment. They may be allowed to observe such operations and work practices, but must take no active part, be kept at a safe distance and under the constant supervision of a competent person.
- 3.2 “Young Persons” may be allowed work involving lifting equipment subject to the conditions imposed above and only when under the constant supervision of a competent person.
- 3.3 Nobody under the age of 16 years should be allowed to operate powered forklift trucks (includes pedestrian pallet movers) and then only when a suitable risk assessment has been carried out and evidence of suitable training provided.