

OTP Machine Controller – Material Handler briefing on Tilt Rotator

Technical Briefing



Target Audience:

- Machine Controller Material Handler competence holders

Method of delivery:

- Training Provider and/or Sponsor to arrange for individuals to be briefed

Recording Process:

- Briefing to be added as an event on Sentinel*

Timescales:

- To be completed for all Machine Controller Material Handler competence holders and registered on Sentinel* by the **end of February 2016**



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Why do I need to be briefed?



As part of the changes to the On Track Plant Framework, the Machine Controller Material Handler (MC MH) training material has been enhanced to include details of the “Tilt Rotator”, as a result this attachment will be removed from Machine Controller Attachment Group 2 civils.

Why?

To appreciate the risks involved with the tilt rotator.



When?



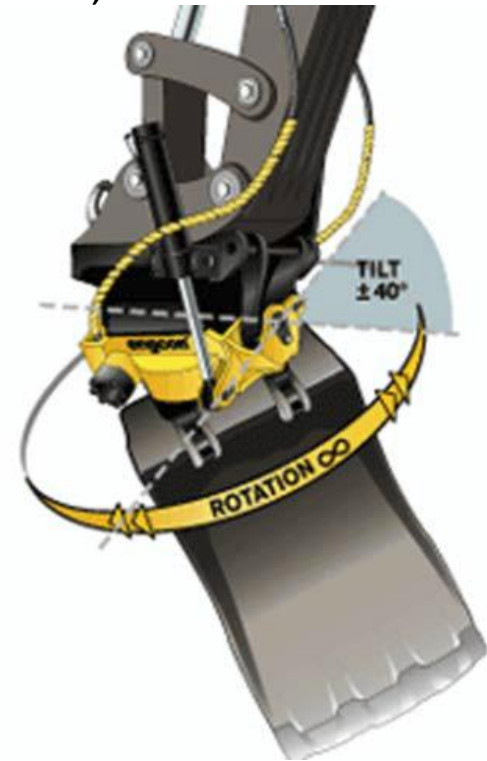
- From December 5th anyone who currently holds Machine Controller Material Handler can control a machine that has a tilt rotator fitted.
- From December 5th Machine Controllers new to the competence will receive training to appreciate the risks involved with the tilt rotator.
- However it is recognised that many existing Machine Controllers may not have received this training, therefore this briefing will need to be given to all existing holders of the Machine Controller Material Handler competence.
- Confirmation of the understanding of this briefing will need be logged on Sentinel by Resourcing Solutions.

Tilt Rotator

A tilt rotator is a hydraulic attachment/tool used on excavators.

It is mounted on the dipper arm so that the excavator bucket can be rotated through 360 degrees and tilted +/- approximately 45 degrees.

It has an integral quick coupler and hydraulic functions to attach, power and manipulate other attachments too, such as grapples or grabs, increasing the machine's utilization and efficiency on site, OTP



Example of a tilt rotator fitted to an excavator



- However, this comes solely within the scope of a MC MH, typically, the only attachments that can be used with tilt rotators are excavator buckets.



- Most other attachments that could be fitted would require a machine controller to hold the appropriate attachment grouping or be a Crane Controller with the appropriate attachment group to control the “lift” as with any other lifting operation.

Risk from Use



Additional risks from use of the tilt rotator that the MC MH would need to be aware of:

- Increase in reach of the excavator
- Stability issues due to the extra weight
- Increase in radius of arc of the bucket
- Sudden and quick motions during operation
- Possibility of being able to strike the machine it is fitted to
- Additional pins, clips, rams, hydraulic pipes etc. that should be included in the pre start checks



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