



CIF/A32.4.1
3 August 2000

OSD/Eng/Circular LE 4/00

ALL APPROVED PERSONS

ALL APPROVED CRANE CONTRACTORS FOR TOWER CRANES

LUFFING JIB TOWER CRANE

1. With reference to the Engineering Circular LE 3/00 on the Luffing Jib Tower Crane, the Department had received several feedback on the requirements imposed on the braking or locking mechanism on the luffing hoist and main hoist drum.
2. After consultation with some of the crane manufacturers and contractors, it was brought to our attention that the intent of the circular had not been clearly presented in the circular. This has led to various mis-interpretations by approved persons and approved crane contractors. We therefore regret any inconveniences caused.
3. The intention of the circular LE 3/00 is to ensure that there is an efficient braking or locking mechanism installed onto both the luffing hoist drum and the main hoist drum of the tower crane, to prevent the **free unwinding of the drum** when the power is cut off or when the drive mechanism fails.
4. All Approved Persons must be satisfied that the braking mechanism acting directly or indirectly on the drum can effectively prevent any free unwinding of the drum before certifying the tower crane for safe use.
5. All Approved Crane Contractors for tower cranes are also reminded to carry out regular checks and maintenance on the brake mechanism. The transmission mechanism shall also be maintained regularly to ensure that it is properly lubricated so as to prevent excessive wear.
6. This circular supersedes the requirements of the Engineering Circular LE 3/00.

SNG WEE KIAT, SILAS

for CHIEF INSPECTOR OF FACTORIES