

099/001/0002/5

**ANC PROJECTS DEPARTMENT
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** Each one reach one * Each one teach one *
* For a new South Africa **



FAX TRANSMISSION SHEET

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ATTENTION: Comrades T-G, Makgothi

FROM: Denis Goldberg

DATE: March 5, 1993

NUMBER OF PAGES (INCLUDING THIS ONE) 2+7=9

Further to the document left with you on Friday 26 February in connection with trucks, and potential haulage business, the information given below is essential for the evaluation of the suitability of trucks that may be offered to us. The suppliers of the trucks would have to certify that their trucks comply with the criteria for maximum axle loading and Bridge loading formula.**

Re: Maximum loading formulae for trucks in South Africa

Maximum axle loading for trucks:

2 Axle Truck

Front	6.5 tonnes
Single rear axle with dual tyres	8.2 "
or	
Single rear axle with single tyres	7.7 "

6x4 Truck

Front axle	manufacturer determined
Two rear axles with dual tyres	8.2 tonnes + 8.2 tonnes

6x4 truck

Front axle	manufacturer determined
Single rear axle with single tyres	7.7 tonnes + 7.7 tonnes

To summarise:

Single axle with single tyres	7.7 tonnes
Single axle with dual tyres	8.2 "

Triple axle grouping	21 tonnes maximum for the group
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The same loadings apply to trailer axles.

There are further restrictions resulting from the design criteria for bridges. This is called **Bridge Formula**, and maximum loading depends upon the spacing between axle groups.

Two examples (using previously permitted factors) are attached to illustrate how the Bridge Formula is applied to determine the maximum loading permitted for combinations of:

truck and drawbar trailer
truck tractor and semi-trailer (and drawbar trailer)
truck tractor and semi-trailer plus semi-trailer (that is, the interlink combination)

**THE LATEST REVISION FOR BRIDGE FORMULA LEGAL LIMITS IS:
DISTANCE BETWEEN AXLE GROUPS IN MM X 2.1 PLUS 15 000KG**

The information given here should be checked against official publications issued by The Department of Transport.

** ie I think our potential suppliers should be made aware of the information contained in this communication.

*This was sent off together with the
diagrams : Poloko has the originals*