



## CIRCULAR 38/04-1-1

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### INTERPRETATION - Set up of Variable Proportioning Brake Systems – Clause 6.7

#### Question:

Must a '*Variable Proportioning Brake System*' that is fitted to a '*Dog Trailer*' automatically adjust the braking force at an '*Axle Group*' using a control source that is modulated via the suspension of the same '*Axle Group*'?

#### Answer:

Yes - except in the case of a '*Dog Trailer*' that achieves predominantly equal loading between the '*Axle Groups*'. In this case, the control source being modulated may be via the suspension of either '*Axle Group*' and so, only one control source is necessary to control both '*Axle Groups*'. Equal loading will be considered to have been met where the body style would not allow for split loading.

An example of the above is where a '*Dog Trailer*' is constructed to ensure that the entire load would be self-levelling, such as a liquid in a body style without internal compartmentalisation (other than baffles), grain, or other bulk commodities. In this case the '*Variable Proportioning Brake System*' may consist of a single Load Sensing Valve (LSV).

Further attention is drawn to the requirements of Clauses 11 and 16 in relation to having higher friction utilisation in at least one front '*Axle*' (Clauses 11.1 and 16.2). It is expected that this requirement is met in all loading conditions.