

Distr.
GENERAL

Informal document No. 11
(50th GRRF, 10-12 Sept. 2001)

ENGLISH ONLY

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)

Working Party on Brakes and Running Gear (GRRF)
(Foftieth session, 10-12 September 2001,
agenda item 1.6. HGV Compatibility)

Transmitted by the Expert from the United Kingdom

Note: The data reproduced below was prepared by the expert from the United Kingdom in order to supply additional information relating to the UK research into HGV Compatibility.

Note: This document is distributed to the Experts on Brakes and Running Gear only.

GE.00-

HGV Compatibility Research Project

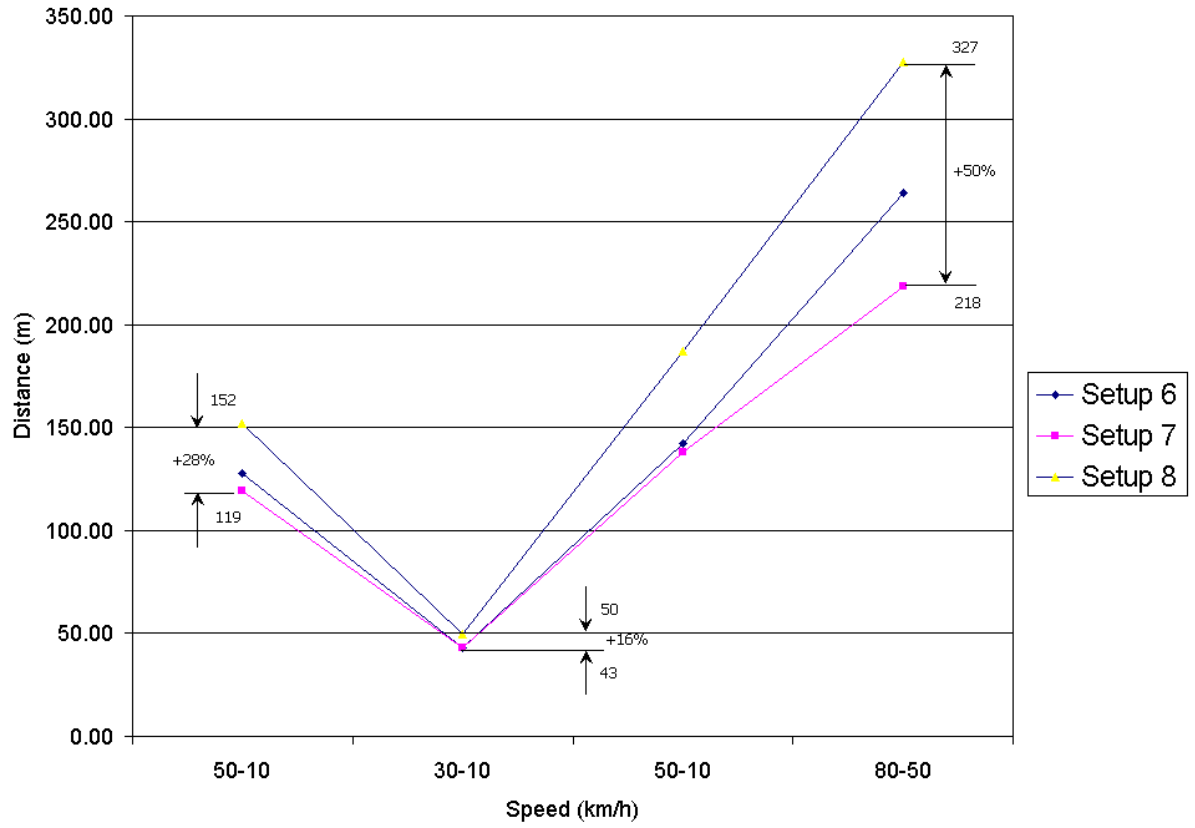
Ideal set-up functions

Set-up No.	Threshold Pressure Tractor/Trailer	Pressure Difference	Acceptable wear rate	Acceptable work done rate	Efficient brake distribution and good stability	Check braking (reduced wheel lock)	Ideal condition
6	0.4/1.0	+0.6					
3	0.4/0.8	+0.4					
2	0.4/0.6	+0.2					
1	0.4/0.4	0	↓	↓	↓	↓	↓
4	0.6/0.4	-0.2	↓	↓			↓
5	0.8/0.4	-0.4				↓	
7	1.0/0.4	-0.6			↓		
Report reference	----	---	Page 29	Page 29	Page 30	Page 30	---

HGV Compatibility

Stopping Distances Before Road Runs

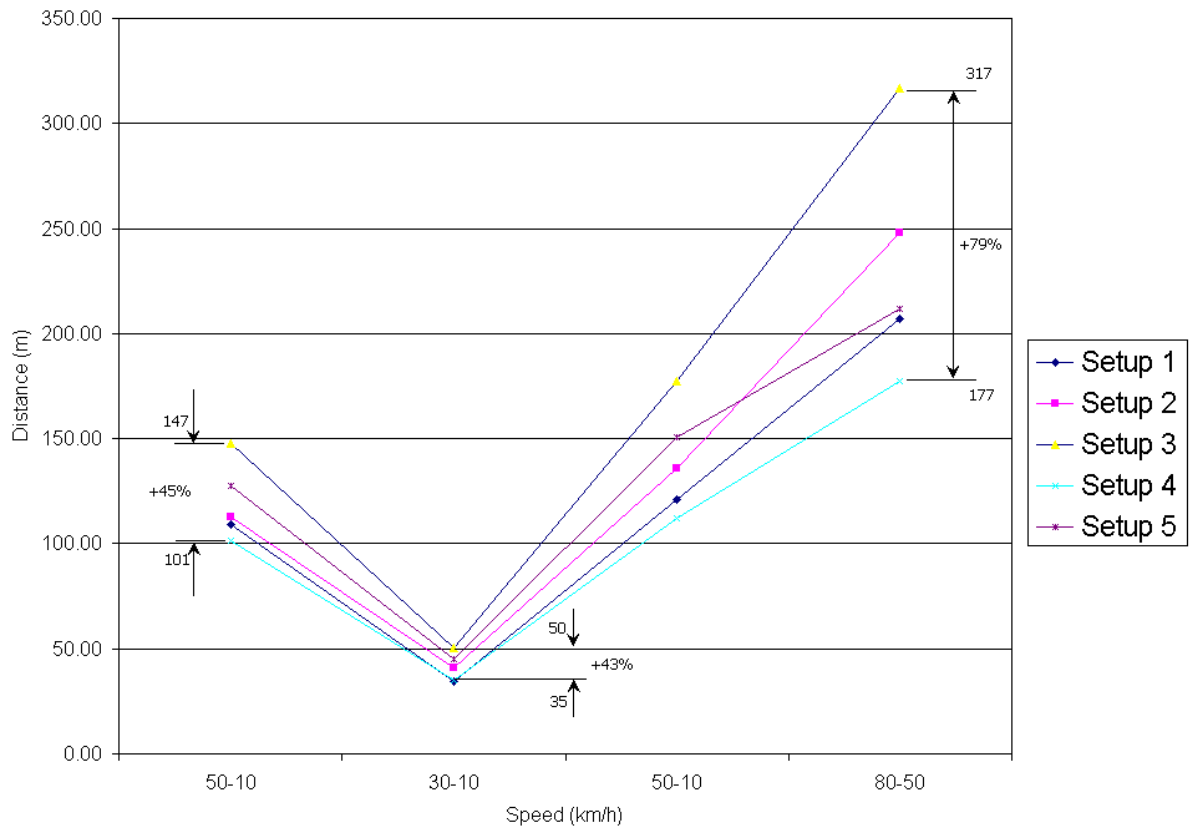
Coupling Head Pressure = 1



HGV Compatibility

Stopping Distances After Road Runs

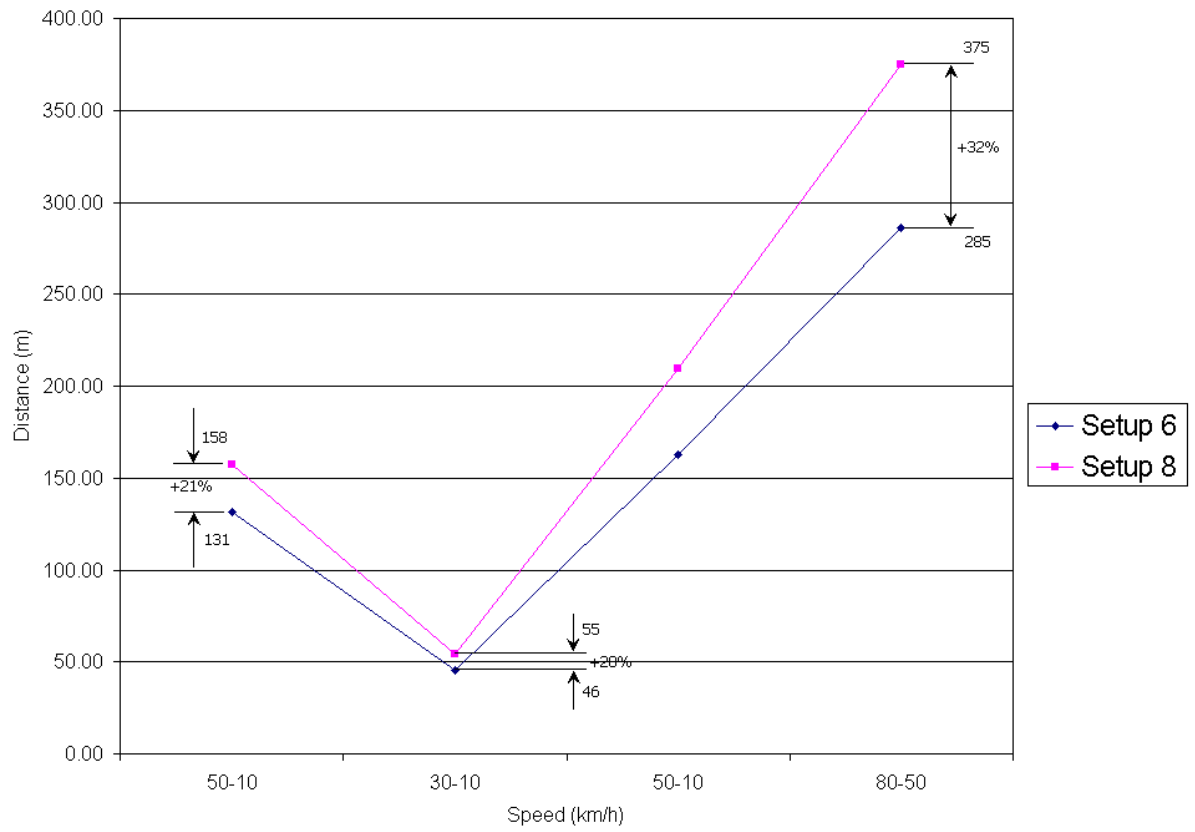
Coupling Head Pressure = 1



HGV Compatibility

Stopping Distances After Road Runs

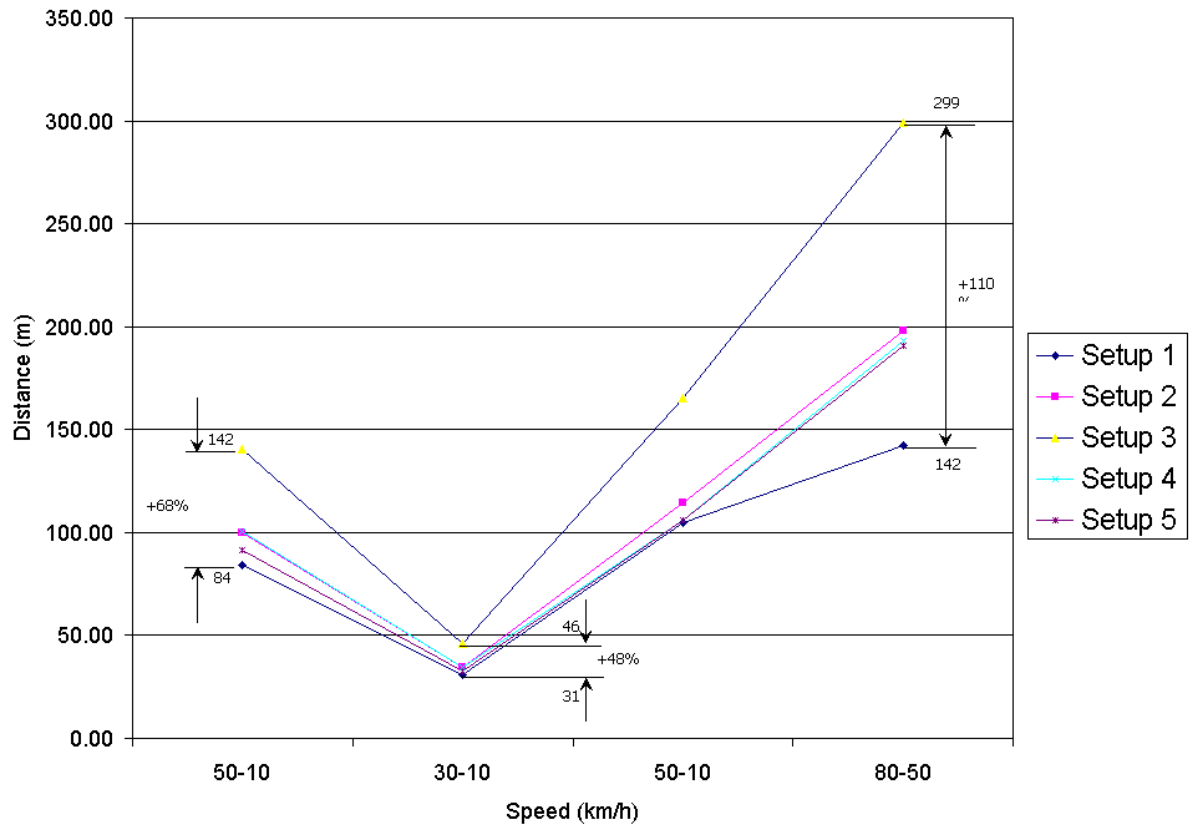
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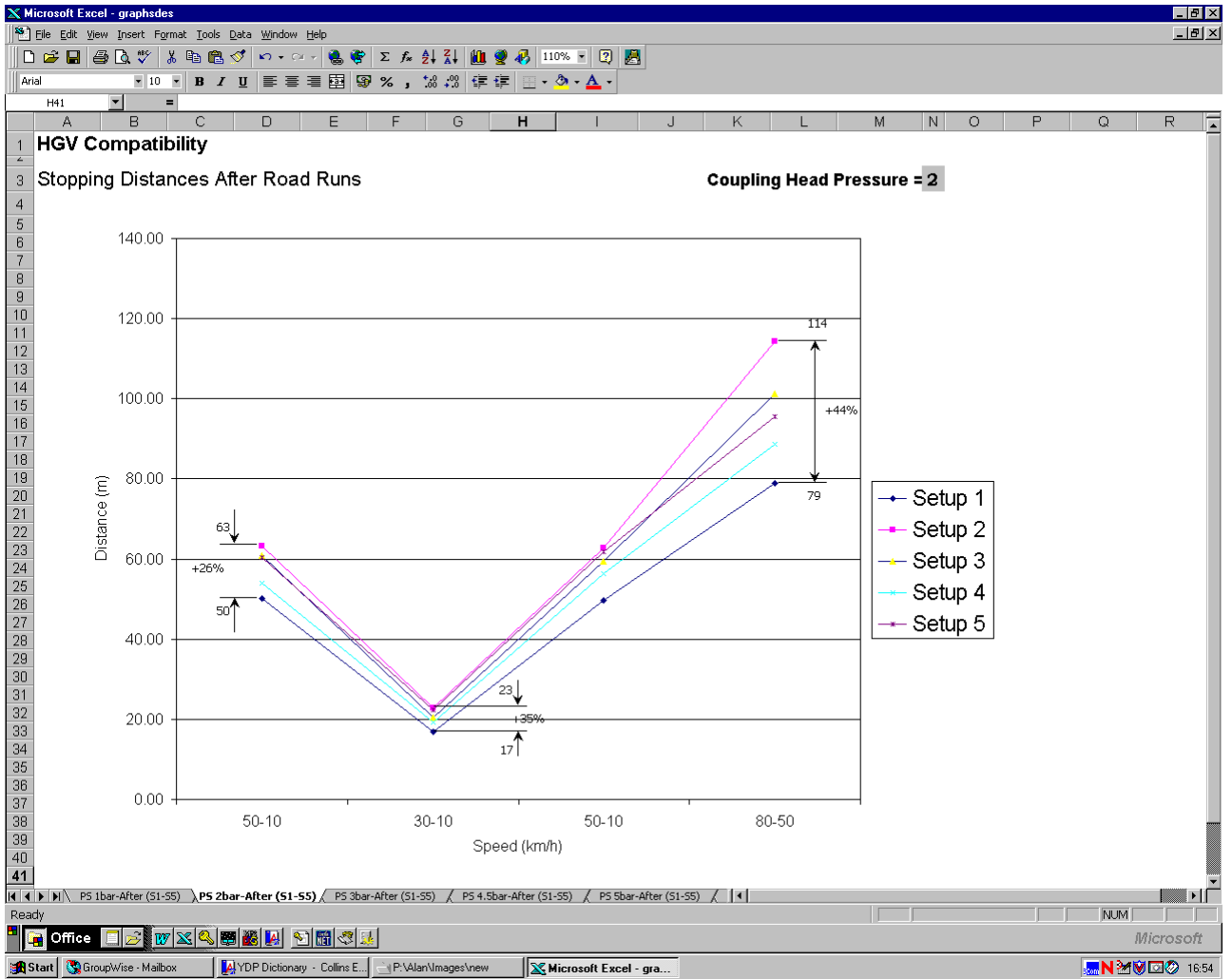


HGV Compatibility

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Coupling Head Pressure = 1

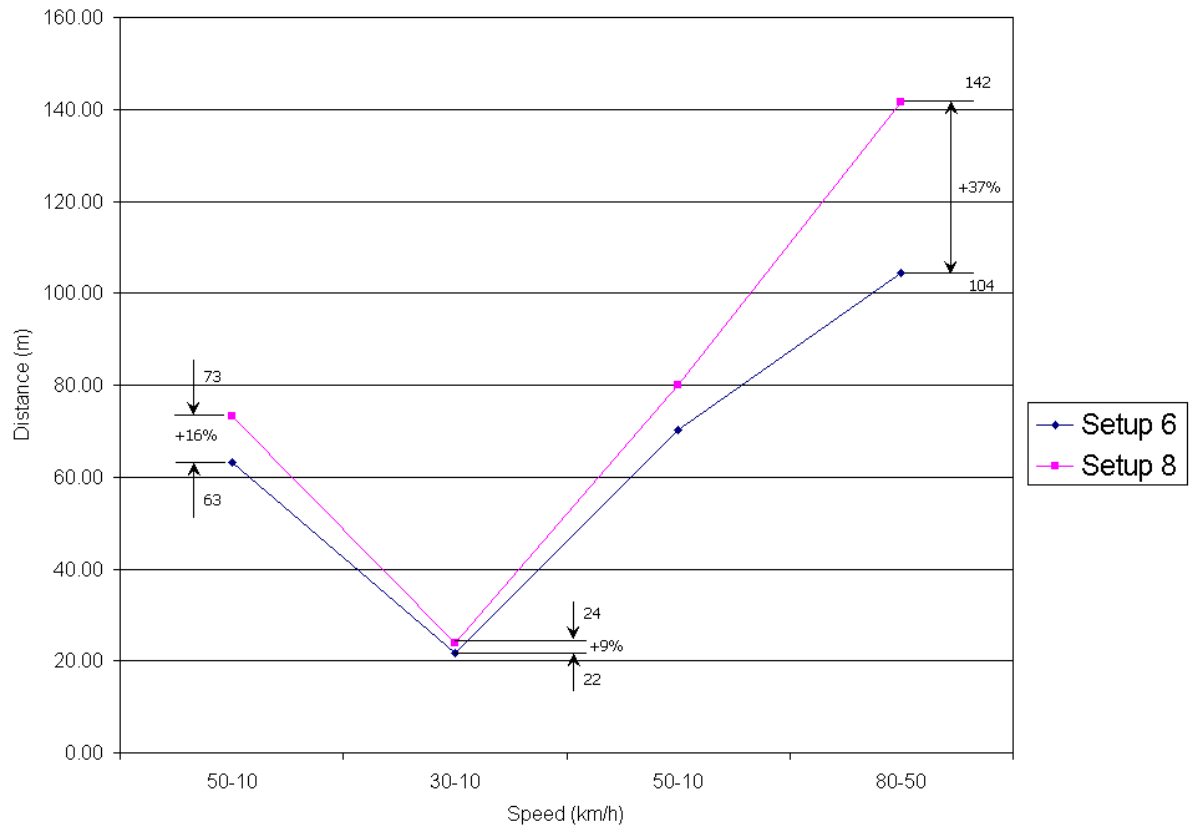




HGV Compatibility

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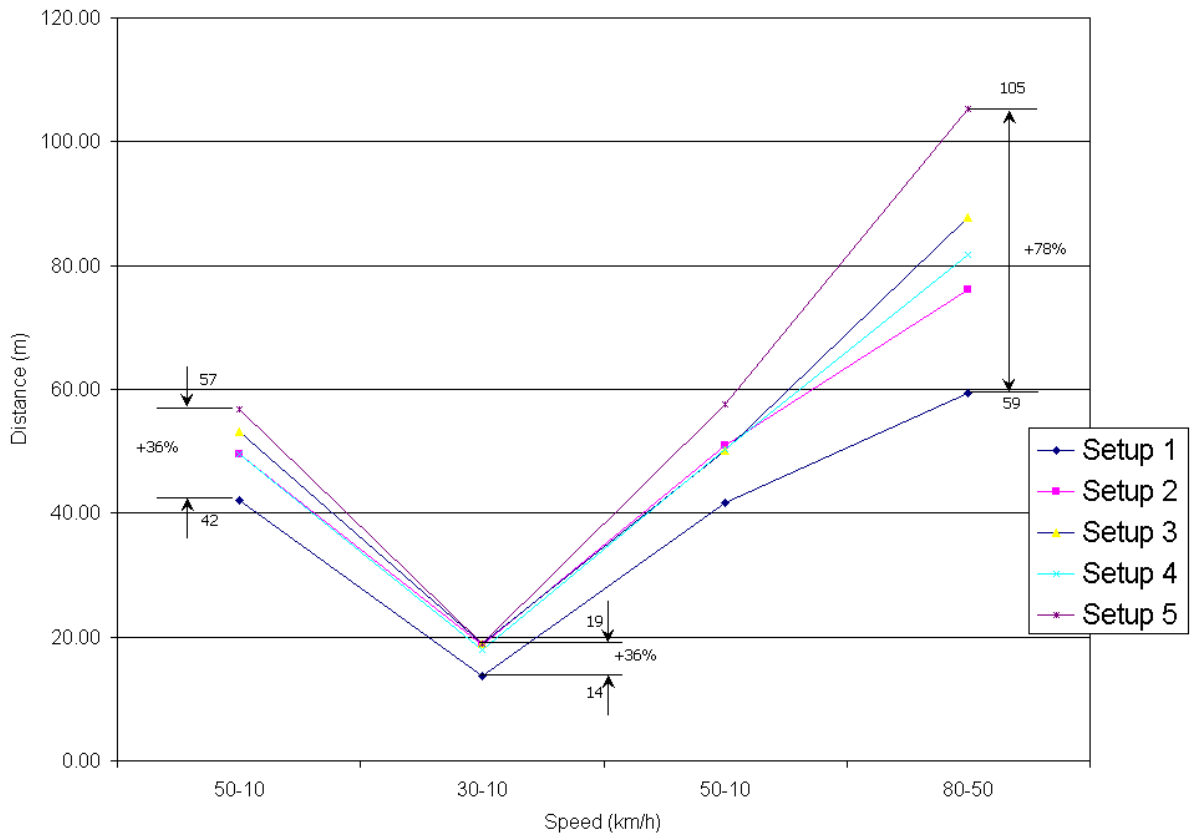
Coupling Head Pressure = 2



HGV Compatibility

Stopping Distances Before Road Runs

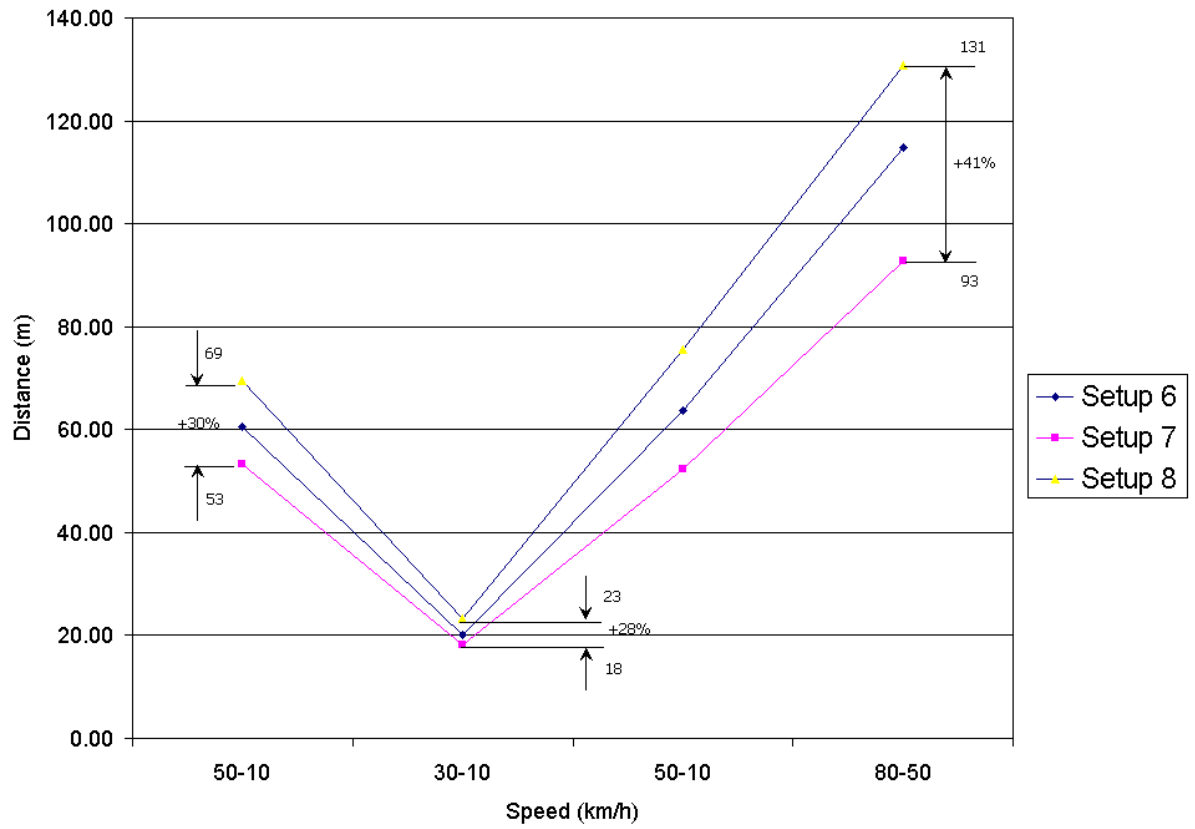
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HGV Compatibility

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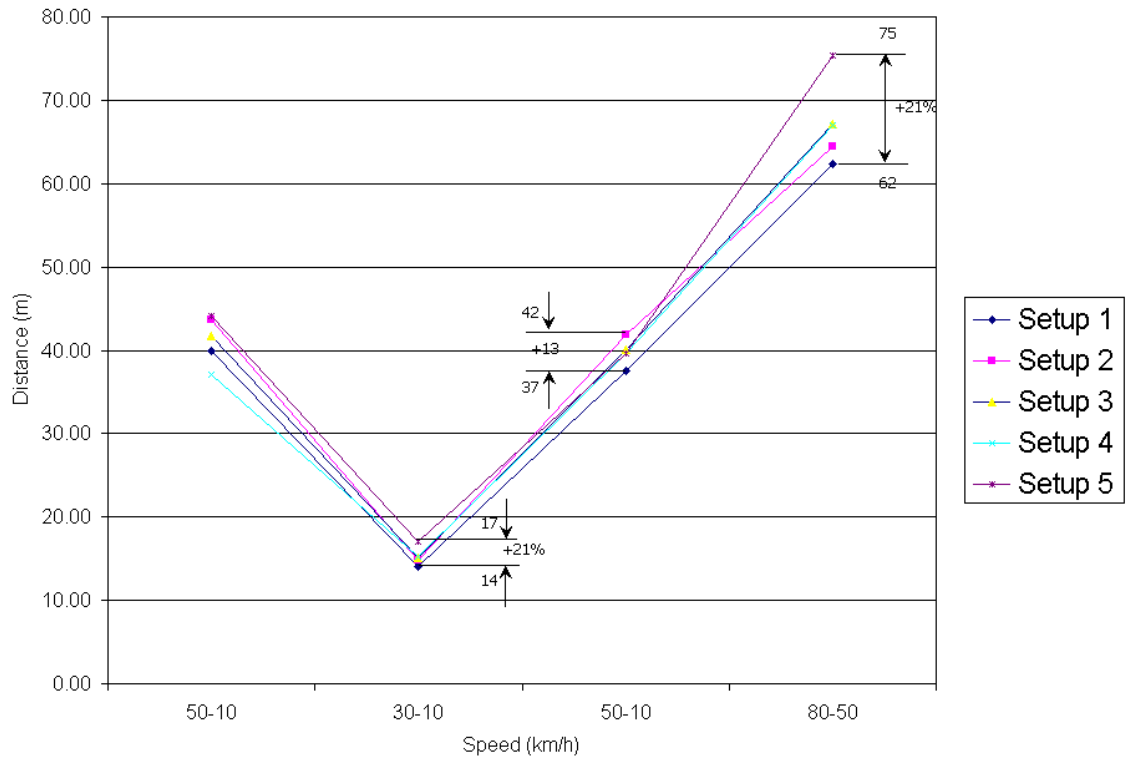
Coupling Head Pressure = 2



HGV Compatibility

Stopping Distances After Road Runs

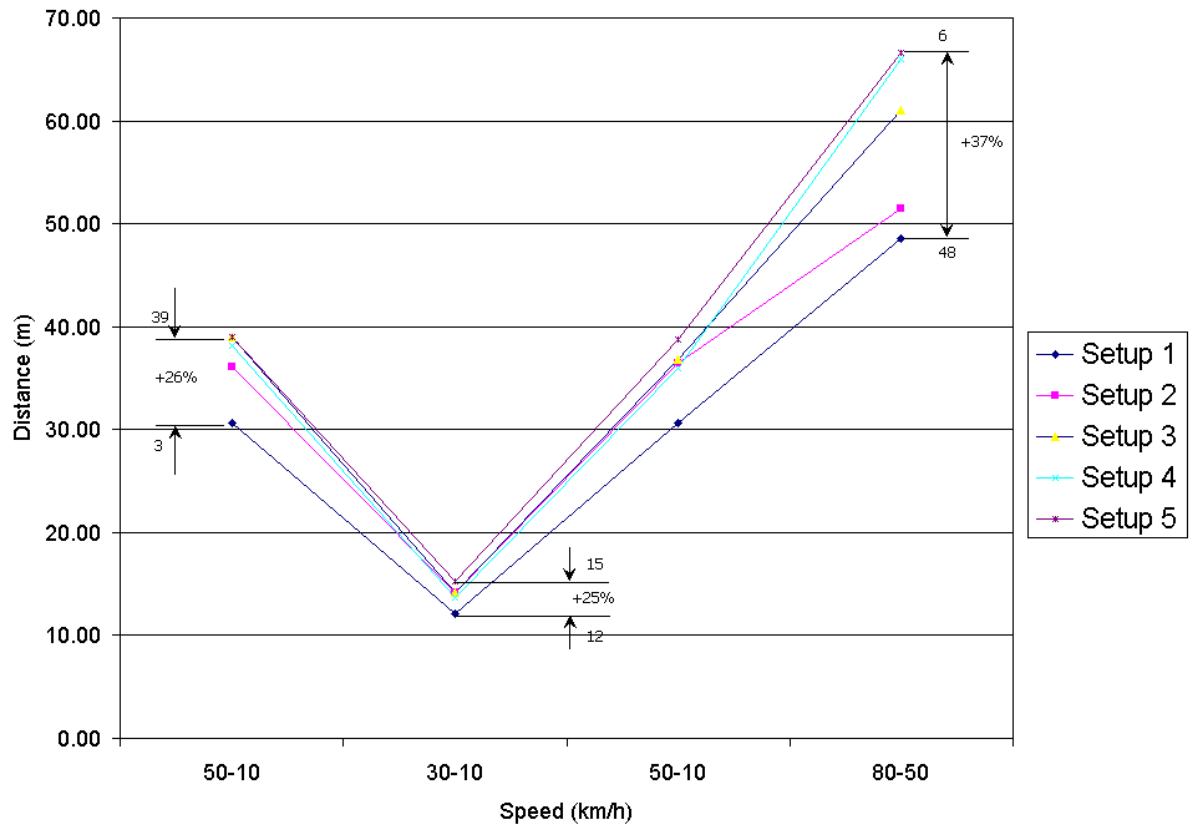
Coupling Head Pressure = 3



HGV Compatibility

Stopping Distances Before Road Runs

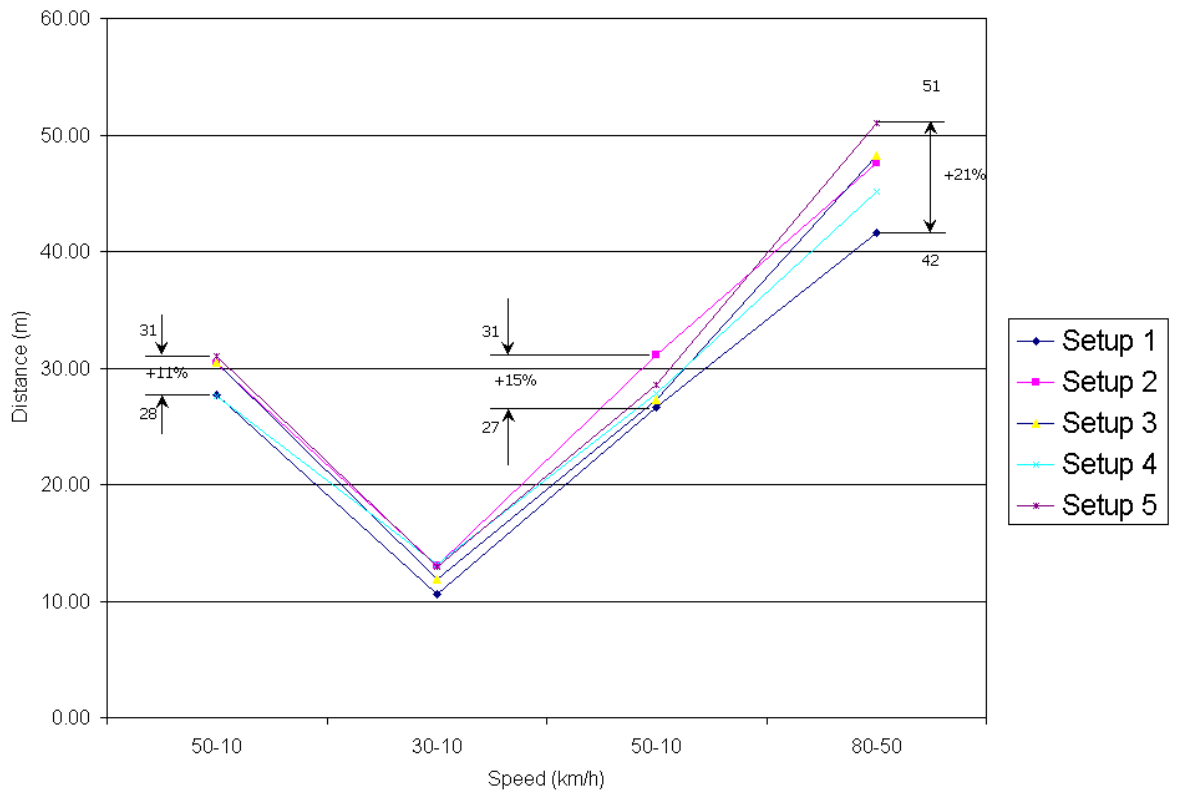
Coupling Head Pressure = 3



HGV Compatibility

Stopping Distances After Road Runs

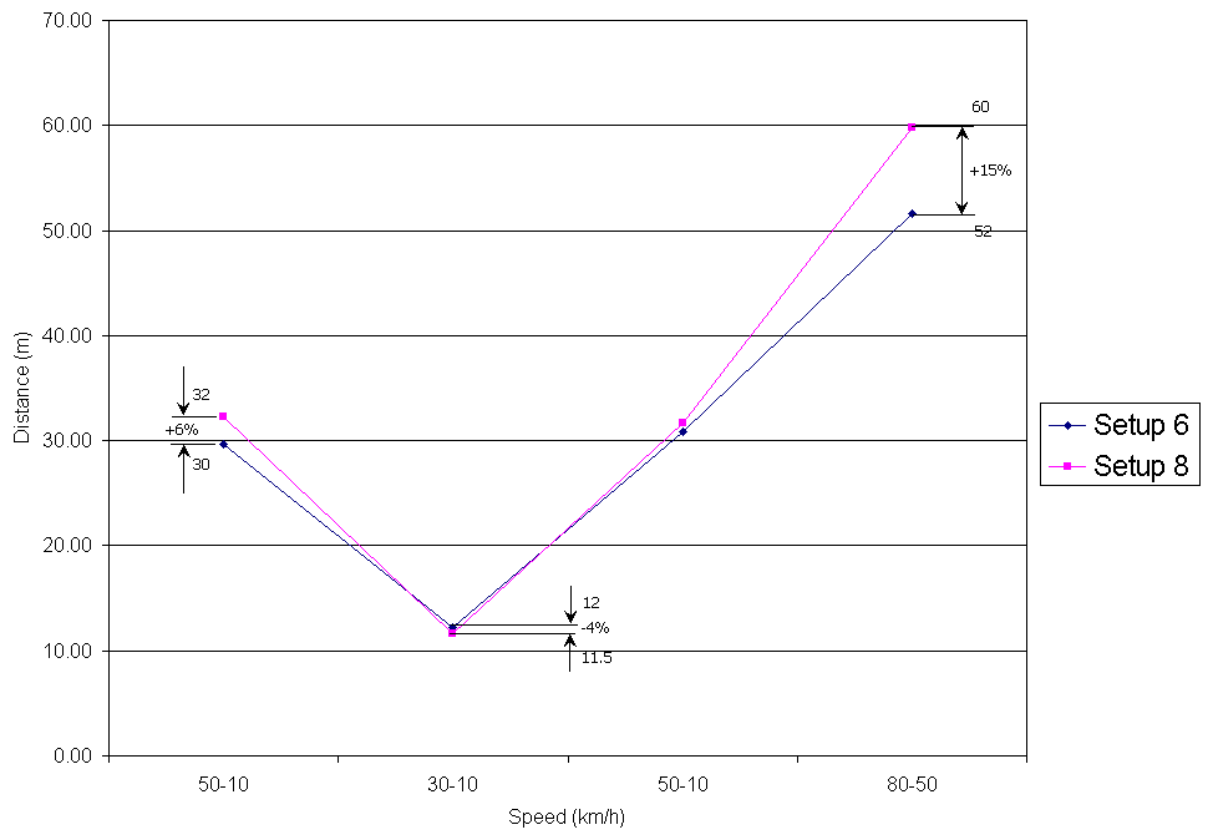
Coupling Head Pressure = 4.5



HGV Compatibility

Stopping Distances After Road Runs

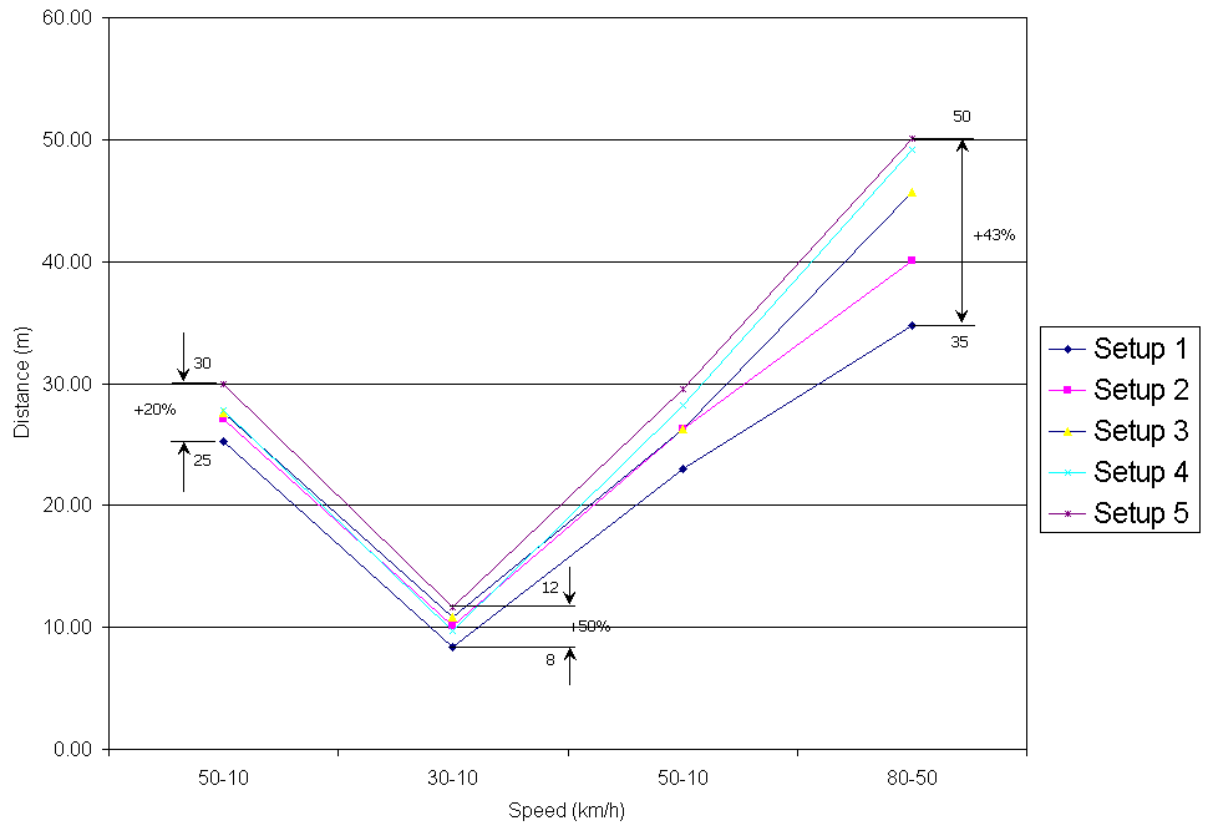
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HGV Compatibility

Stopping Distances Before Road Runs

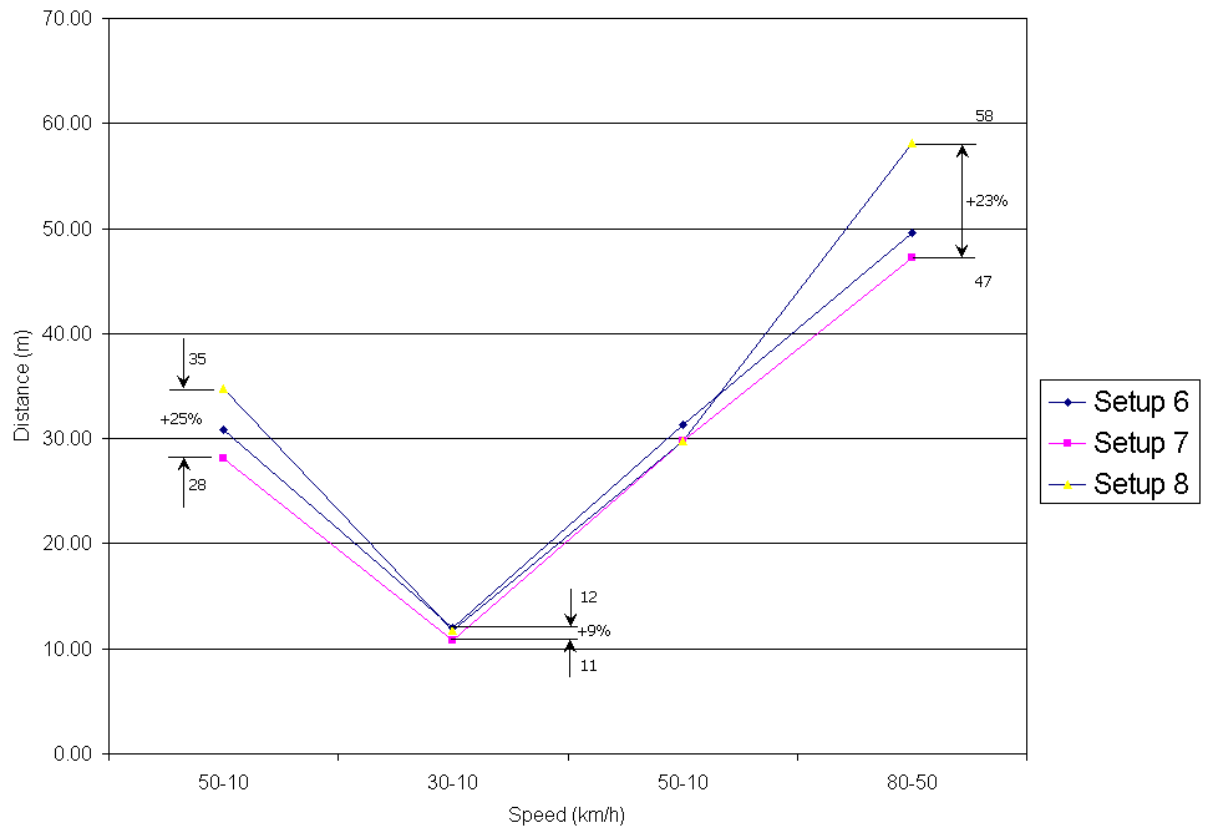
Coupling Head Pressure = 4.5



HGV Compatibility

Stopping Distances Before Road Runs

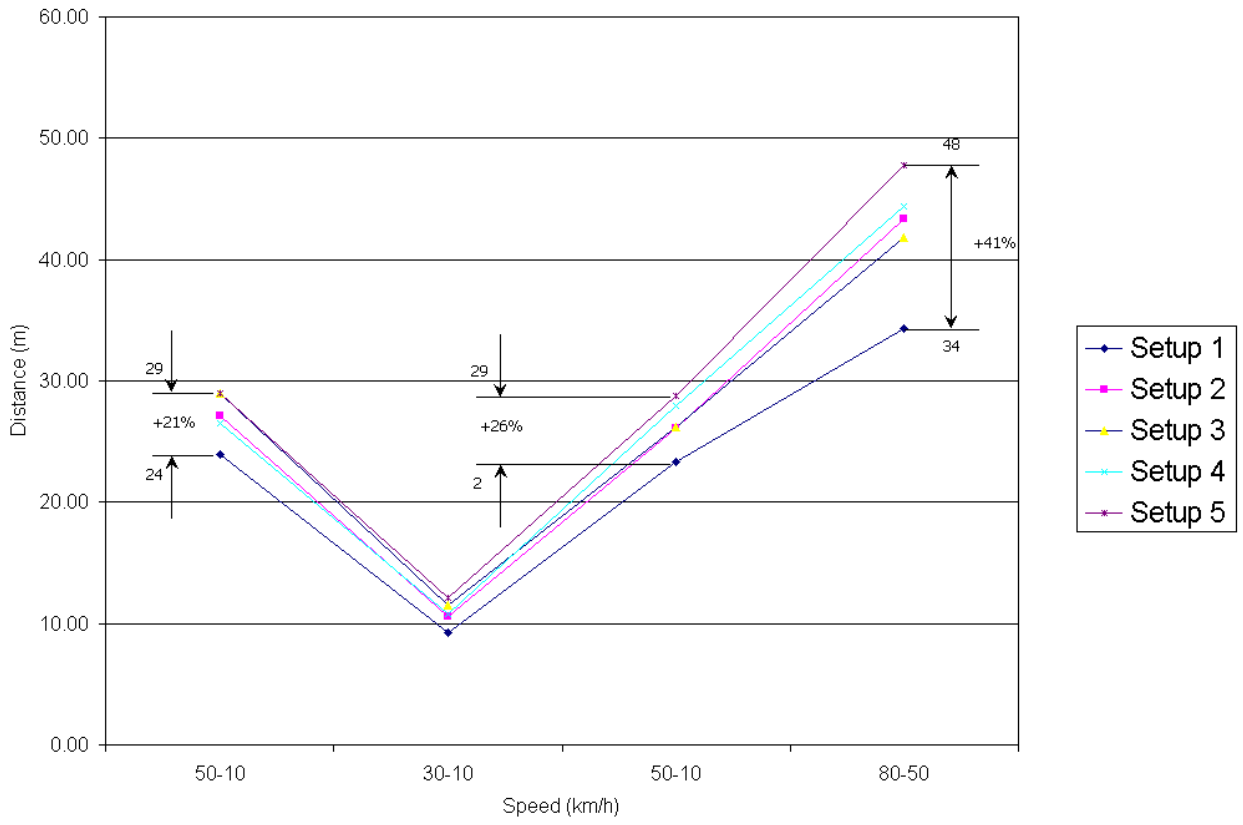
Coupling Head Pressure = 4.5



HGV Compatibility

Stopping Distances After Road Runs

Coupling Head Pressure = 5



HGV Compatibility

Stopping Distances Before Road Runs

Coupling Head Pressure = 5

