

## PERIOD : APRIL 2006 -MARCH 2009

### HGV motor vehicle initial test failure rate by age

Age	2008/09	2007/08	2006/07
Up to 1 year	<b>14.1%</b>	15.0%	18.5%
2 years	<b>15.8%</b>	19.3%	20.9%
3 years	<b>18.9%</b>	21.9%	23.5%
4 years	<b>21.7%</b>	24.1%	28.9%
5 years	<b>23.8%</b>	29.3%	33.6%
6 years	<b>28.5%</b>	34.6%	38.3%
7 years	<b>34.5%</b>	40.6%	43.0%
8 years	<b>38.7%</b>	42.2%	46.2%
9 years	<b>41.8%</b>	45.6%	49.2%
10 years	<b>44.6%</b>	48.5%	53.0%
11 years	<b>47.4%</b>	50.2%	55.0%
12+ years	<b>51.5%</b>	53.8%	56.8%

### HGV trailer initial test fail rate by age

Age (Yrs)	2008/09	2007/08	2006/07
Up to 1 year	<b>8.8%</b>	8.5%	9.8%
2 years	<b>10.2%</b>	10.4%	12.7%
3 years	<b>12.4%</b>	14.0%	15.2%
4 years	<b>16.0%</b>	17.1%	20.6%
5 years	<b>18.0%</b>	19.9%	22.2%
6 years	<b>19.9%</b>	20.5%	23.3%
7 years	<b>20.2%</b>	22.2%	25.0%
8 years	<b>22.2%</b>	23.1%	25.2%
9 years	<b>23.6%</b>	23.9%	29.0%
10 years	<b>23.9%</b>	26.8%	30.2%
11 years	<b>27.1%</b>	28.8%	31.0%
12+ years	<b>28.2%</b>	29.0%	30.3%

**Note:**

There is no trailer registration scheme, so the age of trailers tested has been estimated using each trailer's identity (ID) number. Trailer ID numbers are allocated by VOSA when the owner or operator cannot provide a precise date of manufacture. Although this system cannot provide a precise date of manufacture, it provides a reasonable estimate of the age of trailers for the purpose of comparing failure rates.

### HGV motor vehicle initial test fail rate by fleet size

Fleet size	2008/09	2007/08	2006/07
1	<b>40.3%</b>	43.8%	46.7%
2-5	<b>37.5%</b>	42.5%	45.6%
6-10	<b>32.9%</b>	37.5%	40.5%
11-20	<b>28.4%</b>	32.7%	36.2%
21-30	<b>24.3%</b>	29.7%	32.8%
31-40	<b>23.1%</b>	27.9%	31.5%
41-50	<b>21.8%</b>	27.3%	29.4%
51-100	<b>19.9%</b>	26.1%	29.5%
>=101	<b>18.1%</b>	26.7%	29.6%

**Note:**

Data drawn from a sample of the annual tests undertaken during the year.

### Fleet size distribution across HGV motor vehicle fleet

Fleet size	2008/09	2007/08	2006/07
1	<b>50.5%</b>	50.5%	50.9%
2-5	<b>34.7%</b>	34.5%	34.2%
6-10	<b>7.6%</b>	7.7%	7.6%
11-20	<b>3.9%</b>	4.0%	3.9%
21-30	<b>1.3%</b>	1.4%	1.3%
31-40	<b>0.7%</b>	0.7%	0.7%
41-50	<b>0.3%</b>	0.4%	0.4%
51-100	<b>0.6%</b>	0.6%	0.6%
>=101	<b>0.4%</b>	0.4%	0.4%

**Note:**

These are percentages of operators that fall within these fleet size bands.

#### Trends in the top ten reasons for HGV motor vehicle fails

Testable Item	2008/09	2007/08	2006/07
Headlamp Aim	<b>17.3%</b>	20.7%	23.7%
Lamps	<b>6.2%</b>	6.8%	7.8%
Service Brake Performance	<b>5.5%</b>	6.2%	7.1%
Brake System Components	<b>4.4%</b>	4.8%	5.1%
Secondary Brake Performance	<b>3.5%</b>	3.9%	4.6%
Parking Brake Performance	<b>2.3%</b>	2.5%	2.8%
Speedo/Tacho	<b>2.1%</b>	2.2%	2.0%
Steering Mechanism	<b>1.8%</b>	2.0%	2.3%
Suspension	<b>1.7%</b>	2.0%	2.3%
Warning Lamps*	<b>1.6%</b>	1.9%	2.2%

#### Notes:

The percentage of vehicles tested where the item was listed as a reason for failure. Vehicles can fail for one or more items so these percentages should not be added to produce a total fail rate for these items.

\* Asterisked items are new, or are combinations of previous test items.

#### Trends in the top ten reasons for HGV trailer fails

Testable items	2008/09	2007/08	2006/07
Service Brake Performance	<b>10.4%</b>	10.6%	11.8%
Parking Brake Performance	<b>7.3%</b>	7.6%	9.3%
Lamps	<b>4.0%</b>	4.6%	5.0%
Brake System Components	<b>3.9%</b>	4.3%	5.0%
Suspension	<b>1.6%</b>	1.7%	1.9%
Reflectors & Rear Markings	<b>1.5%</b>	1.7%	2.0%
Tyres (Condition)	<b>0.9%</b>	0.9%	1.0%
Spray suppression, wings / wheel arches	<b>0.8%</b>	0.9%	1.0%
Service Brake Operation	<b>0.8%</b>	1.0%	1.1%
Road wheels and hubs	<b>0.5%</b>	0.6%	0.6%

#### Note:

The percentage of vehicles tested where the item was listed as a reason for failure. Vehicles can fail for one or more items so these percentages should not be added to produce a total fail rate for these items.