

# Motor trade sales

## Preliminary: May 2006

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**Table A - Key figures as at the end of May 2006**

Estimates	May 2006 R million	% change between May 2005 and May 2006	% change between March to May 2005 and March to May 2006	% change between January to May 2005 and January to May 2006
Motor trade sales	24 288	+14,1	+14,6	+16,0

Seasonally adjusted estimates	May 2006 R million	% change between April and May 2006	% change between December 2005 to February 2006 and March to May 2006
Motor trade sales	23 974	+2,5	+5,5

**Key findings as at the end of May 2006**

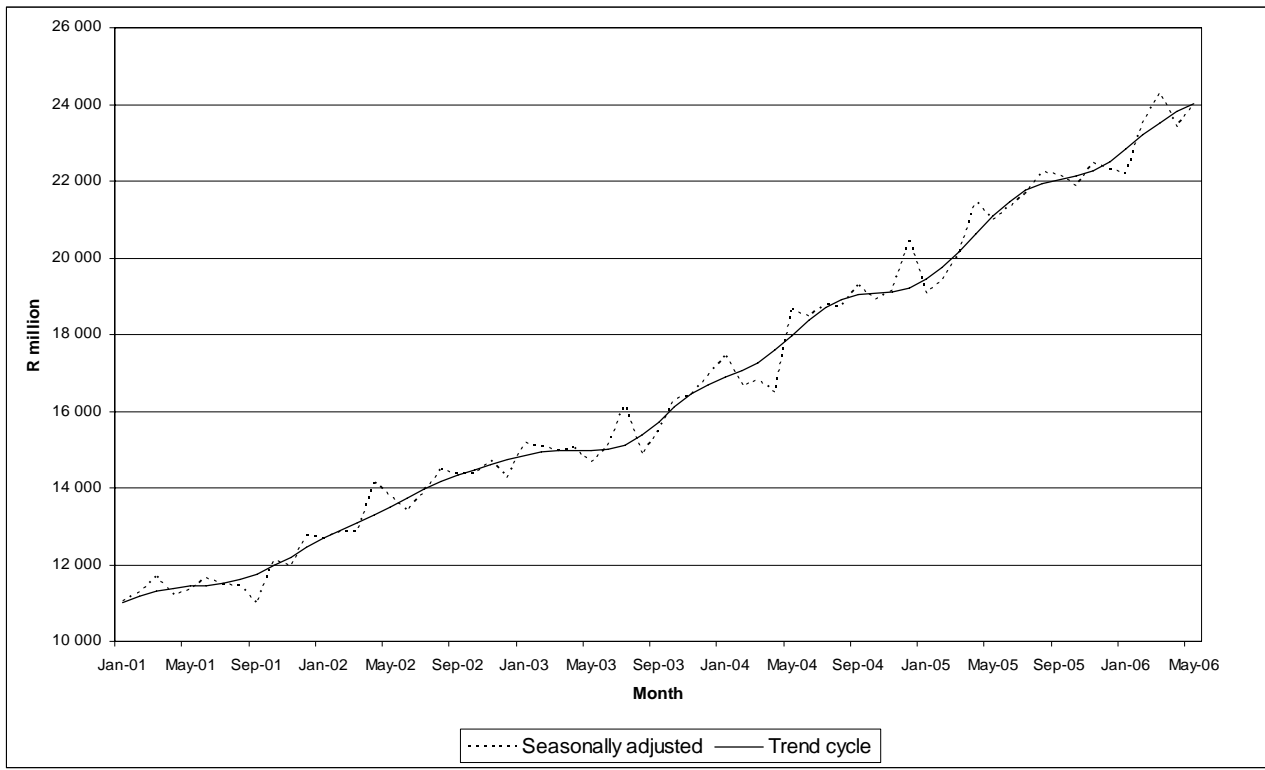
**Motor trade sales increase**

*As indicated in table A, motor trade sales for the three months up to May 2006 increased by 14,6% compared with the three months up to May 2005. Furthermore, seasonally adjusted motor trade sales for the three months up to May 2006 increased by 5,5% compared with the three months up to February 2006.*

Motor trade sales for the first five months of 2006 increased by 16,0% compared with the motor trade sales for the first five months of 2005.

Figure 1 below shows the seasonally adjusted and trend patterns for motor trade sales between January 2001 and May 2006. There has been an upward movement in the trend cycle as from January 2001 up to May 2006.

**Figure 1- Motor trade sales**



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## Contents

	<b>Page</b>
<b>Notes</b> .....	4
<b>Detailed results</b>	
Table 1 Total motor trade sales (R million) .....	5
Table 2 Percentage change in total motor trade sales .....	5
Table 3 Seasonally adjusted total motor trade sales (R million) .....	5
Table 4 Motor trade sales by type of activity (R million) .....	6
Table 5 Estimates and percentage changes in total motor trade sales .....	7
<b>Explanatory notes</b> .....	8
<b>Glossary</b> .....	10
<b>General information</b> .....	11

**Notes****Forthcoming issue**                      **Issue**                                      **Expected release date**

June 2006                                      12 September 2006

**Purpose of the survey**                      The results of the monthly motor trade sales survey are used to compile estimates of the Gross Domestic Product (GDP) and its components, which are used in monitoring the state of the economy and formulation of economic policy. These statistics are also used in the analysis of comparative business and industry performance.

**Expected changes in the June 2006 release**                      The statistical release for June 2006 will be based on the new sample drawn in April 2006 and will be published on 12 September 2006. This statistical release is the last one based on the sample drawn in 2005.

**Response rate**                                      The preliminary response rate for the survey on motor trade sales for May 2006 was 86,0%.

## Detailed results

Tables 1 and 2 show motor trade sales over the period of January 1999 to May 2006. Table 3 shows seasonally adjusted motor trade sales over the same period.

**Table 1 - Total motor trade sales (R million)**

Month	1999	2000	2001	2002	2003	2004	2005 1/	2006 1/
January	7 342	8 184	10 633	12 377	14 892	17 090	18 645	21 676
February	7 820	9 454	11 391	12 852	14 833	16 195	18 700	22 512
March	7 930	9 378	11 655	12 732	14 668	16 413	19 563	23 682
April	7 487	8 752	10 410	13 113	13 952	15 335	19 962	21 740
May	7 789	9 979	11 421	13 948	14 854	18 863	21 287	24 288
June	7 531	10 255	11 634	13 310	14 932	18 219	21 036	
July	8 376	10 390	11 716	14 215	16 622	19 344	22 391	
August	8 535	10 846	11 759	14 833	15 285	19 259	22 847	
September	8 590	10 578	11 062	14 561	15 768	19 712	22 690	
October	8 700	10 592	12 392	14 736	16 746	19 413	22 440	
November	8 665	11 100	12 324	15 275	17 198	20 144	23 733	
December	8 424	10 411	12 546	14 122	16 795	20 319	22 161	
<b>Total</b>	<b>97 189</b>	<b>119 919</b>	<b>138 943</b>	<b>166 074</b>	<b>186 545</b>	<b>220 306</b>	<b>255 455</b>	

1/ Preliminary

**Table 2 - Percentage change in total motor trade sales 1/**

Month	1999	2000	2001	2002	2003	2004	2005	2006
January	-	11,5	29,9	16,4	20,3	14,8	9,1	16,3
February	-	20,9	20,5	12,8	15,4	9,2	15,5	20,4
March	-	18,3	24,3	9,2	15,2	11,9	19,2	21,1
April	-	16,9	18,9	26,0	6,4	9,9	30,2	8,9
May	-	28,1	14,5	22,1	6,5	27,0	12,9	14,1
June	-	36,2	13,4	14,4	12,2	22,0	15,5	
July	-	24,0	12,8	21,3	16,9	16,4	15,8	
August	-	27,1	8,4	26,1	3,0	26,0	18,6	
September	-	23,1	4,6	31,6	8,3	25,0	15,1	
October	-	21,7	17,0	18,9	13,6	15,9	15,6	
November	-	28,1	11,0	23,9	12,6	17,1	17,8	
December	-	23,6	20,5	12,6	18,9	21,0	9,1	
<b>Total</b>	-	<b>23,4</b>	<b>15,9</b>	<b>19,5</b>	<b>12,3</b>	<b>18,1</b>	<b>16,0</b>	

1/ The percentage change is the difference between motor trade sales of the relevant year and those of the previous year expressed as a percentage

**Table 3 - Seasonally adjusted total motor trade sales (R million)**

Month	1999	2000	2001	2002	2003	2004	2005	2006
January	7 764	8 580	11 029	12 691	15 193	17 418	19 067	22 212
February	7 678	9 298	11 275	12 861	15 060	16 658	19 403	23 476
March	7 832	9 298	11 672	12 870	14 969	16 816	20 085	24 331
April	7 996	9 376	11 205	14 130	15 043	16 486	21 474	23 398
May	7 781	9 950	11 338	13 814	14 671	18 633	21 008	23 974
June	7 477	10 222	11 653	13 387	15 084	18 474	21 340	
July	8 190	10 171	11 471	13 891	16 185	18 777	21 679	
August	8 296	10 554	11 451	14 463	14 882	18 745	22 222	
September	8 566	10 518	10 959	14 358	15 477	19 284	22 152	
October	8 517	10 349	12 109	14 378	16 336	18 924	21 879	
November	8 475	10 818	11 939	14 702	16 429	19 145	22 484	
December	8 595	10 599	12 753	14 284	16 939	20 450	22 295	

Table 4 shows motor trade sales by type of activity. The main activities in the motor trade industry are sales of new cars followed by fuel sales.

**Table 4 - Motor trade sales by type of activity (R million)<sup>1/</sup>**

Year <sup>2/</sup>	Month	New vehicle sales	Used vehicle sales	Workshop income	Income from accessories	Income from fuel sales	Income from convenient store	Total <sup>3/</sup>
2005	September	8 456	4 005	1 808	2 763	4 447	1 210	22 690
	October	7 913	3 979	1 808	3 020	4 677	1 043	22 440
	November	8 765	4 158	1 809	3 133	4 555	1 313	23 733
	December	7 945	3 702	1 629	2 766	4 761	1 359	22 161
2006	January	8 372	3 521	1 659	2 682	4 218	1 225	21 676
	February	8 877	3 749	1 810	2 914	4 004	1 158	22 512
	March	9 248	3 953	1 956	2 861	4 189	1 474	23 682
	April	8 113	3 757	1 761	2 646	4 117	1 347	21 740
	May	9 337	4 107	2 023	2 988	4 521	1 312	24 288

1/ The type of activity in motor trade refers to the enterprises classified within the motor trade industry and engaged in the activities mentioned above

2/ Preliminary

3/ The figures have been rounded off. Therefore, discrepancies may occur between the sums of the component items and the totals

Tables 5.1 and 5.2 show the estimates and percentage changes in motor trade sales and seasonally adjusted estimates.

**Table 5 – Estimates and percentage changes in total motor trade sales.**

**Table 5.1 - Quarterly and cumulative estimates and percentage changes**

Estimates	March to May 2005 R million	March to May 2006 R million	% change between March to May 2005 and March to May 2006	January to May 2005 R million	January to May 2006 R million	% change between January to May 2005 and January to May 2006
Motor trade sales	60 812	69 710	+14,6	98 157	113 898	+16,0

**Table 5.2 - Seasonally adjusted estimates with monthly and quarterly percentage changes.**

Seasonally adjusted estimates	April 2006 R million	May 2006 R million	% change between April and May 2006	December 2005 to February 2006 R million	March to May 2006 R million	% change between December 2005 to February 2006 and March to May 2006
Motor trade sales	23 398	23 974	+2,5	67 983	71 703	+5,5



**Explanatory notes**

- |                                      |          |   |
|--------------------------------------|----------|---|
| <b>Introduction</b>                  | <b>1</b> | Statistics South Africa (Stats SA) conducts a monthly survey covers enterprises of the motor trade industry (see 3 below). This survey is based on a sample drawn from the 2005 Business Sampling Frame (BSF) that contains businesses registered for value-added tax (VAT) and income tax.   |
|                                      | <b>2</b> | As is usual, information for the latest month has had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information become available. Motor trade sales estimates exclude value-added tax (VAT).  |
| <b>Scope of the survey</b>           | <b>3</b> | The survey collects information from a sample of enterprises in South Africa that are predominantly involved in motor trade.<br>These enterprises include - <ul style="list-style-type: none"> <li>• motor vehicle dealers, filling stations and workshops;</li> <li>• motor cycle dealers;</li> <li>• spares and accessories;</li> <li>• tyre dealers;</li> <li>• automotive electricians;</li> <li>• radiator repairs;</li> <li>• panel beaters and spray painters;</li> <li>• other specialised motor repair services; and</li> <li>• other motor trade.</li> </ul>  |
| <b>Classification</b>                | <b>4</b> | The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities (SIC)</i> , Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities (ISIC)</i> with suitable adaptations for local conditions. Statistics in this publication are presented at SIC division (two digit) level. Each enterprise is classified to the industry, which reflects its predominant activity.   |
| <b>Statistical unit</b>              | <b>5</b> | The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its sales activities.  |
| <b>Survey methodology and design</b> | <b>6</b> | The survey is conducted monthly. Questionnaires are sent to a sample of 644 enterprises from a population of about 12 000 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up non-responses.   |
|                                      | <b>7</b> | The value of sales is obtained monthly from the sample of about 644 enterprises, which was drawn in August 2005 from a population then of about 12 000 motor trade enterprises. The motor trade industry is divided into four size groups. The sample is drawn at the SIC four-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied to size group two (medium sized) enterprises, and to size groups three and four (small) enterprises. The total value of sales of the large enterprises (size group one) classification group is added to the weighted totals of size groups two, three and four to reflect the total value of sales. |
| <b>Weighting methodology</b>         | <b>8</b> | For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at <a href="http://www.statssa.gov.za/publications/publicationsearch.asp">http://www.statssa.gov.za/publications/publicationsearch.asp</a> .  |

<b>Seasonal adjustment</b>	<b>9</b>	Seasonally adjusted estimates are generated each month, using the X-11 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.																
<b>Trend cycle</b>	<b>10</b>	The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Program is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.																
<b>Reliability of estimates</b>	<b>11</b>	Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the motor trade industry in South Africa. Estimates are subject to sampling and non-sampling errors.																
	<b>12</b>	Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.																
<b>Revised figures</b>	<b>13</b>	Revised figures are due to respondents reporting revisions or corrections to their figures and late submission of their data to Stats SA. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.																
<b>Related publications</b>	<b>14</b>	Users may also wish to refer to the following publications available from Stats SA - <ul style="list-style-type: none"> <li>• <i>Bulletin of Statistics</i> issued quarterly.</li> <li>• <i>SA Statistics</i> issued annually.</li> </ul>																
<b>Rounding of figures</b>	<b>15</b>	The figures in the tables have, where necessary, been rounded to the nearest digit shown.																
<b>Symbols and abbreviations</b>	<b>16</b>	<table border="0" style="width: 100%;"> <tr> <td style="width: 150px;">GDP</td> <td>Gross Domestic Product</td> </tr> <tr> <td>ISIC</td> <td>International Standard Industrial Classification</td> </tr> <tr> <td>SIC</td> <td>Standard Industrial Classification of all Economic Activities</td> </tr> <tr> <td>SARS</td> <td>South African Revenue Service</td> </tr> <tr> <td>Stats SA</td> <td>Statistics South Africa</td> </tr> <tr> <td>VAT</td> <td>Value-added tax</td> </tr> <tr> <td>*</td> <td>Revised</td> </tr> <tr> <td>-</td> <td>Figures not available</td> </tr> </table>	GDP	Gross Domestic Product	ISIC	International Standard Industrial Classification	SIC	Standard Industrial Classification of all Economic Activities	SARS	South African Revenue Service	Stats SA	Statistics South Africa	VAT	Value-added tax	*	Revised	-	Figures not available
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*	Revised																	
-	Figures not available																	

**Technical note**

**Neyman Optimal allocation**

Before drawing in each of the surveys the population of enterprises on the BSF was stratified. Strata were formed using a combination of Standard Industrial Classification and the measure of size classes for enterprises. The Neyman optimal allocation formula given below was used to allocate samples to each stratum.

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

where  $N_h$  and  $S_h$  are the stratum population size and the stratum variance, respectively.

Neyman allocation formula not only allocates sample sizes to each stratum but also calculates the relative precision for each stratum as well as the relative precision for all strata. The relative precision for these surveys did not exceed 6.4%.

**Class limits**

Enterprise size	Size group	Lower limits	Upper limits
Very small	1	0	4 000 000
Small	2	4 000 001	19 000 000
Medium	3	19 000 001	39 000 000
Large	4	39 000 001	

**Glossary**

**Enterprise** The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its sales activities.

**Industry** An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the *System of National Accounts (SNA)* in the same way as in the *Standard Industrial Classification of all Economic Activities, Fifth Edition, Report No. 09-90-02 of January 1993 (SIC)*.

**Statistical unit** A statistical unit is a unit about which statistics are tabulated, compiled or published. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

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