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STATISTICAL RELEASE

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Motor trade sales (Preliminary)

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Sales at current prices: results for May 2019

Table A – Key growth rates in motor trade sales at current prices

	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19
Year-on-year % change, unadjusted	-4,0	0,5	-1,9	-4,9	11,1	0,6
Month-on-month % change, seasonally adjusted	-4,1	0,9	-1,3	2,1	4,7	-3,8
3-month % change, seasonally adjusted 1/	0,1	-2,1	-3,7	-2,2	0,9	3,3

1/ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Measured in nominal terms (current prices), motor trade sales increased by 0,6% year-on-year in May 2019. The largest annual growth rates were recorded for:

- fuel sales (4,7%); and
- sales of accessories (4,4%) – see Table 5.

Seasonally adjusted motor trade sales decreased by 3,8% in May 2019 compared with April 2019. This followed month-on-month changes of 4,7% in April 2019 and 2,1% in March 2019.

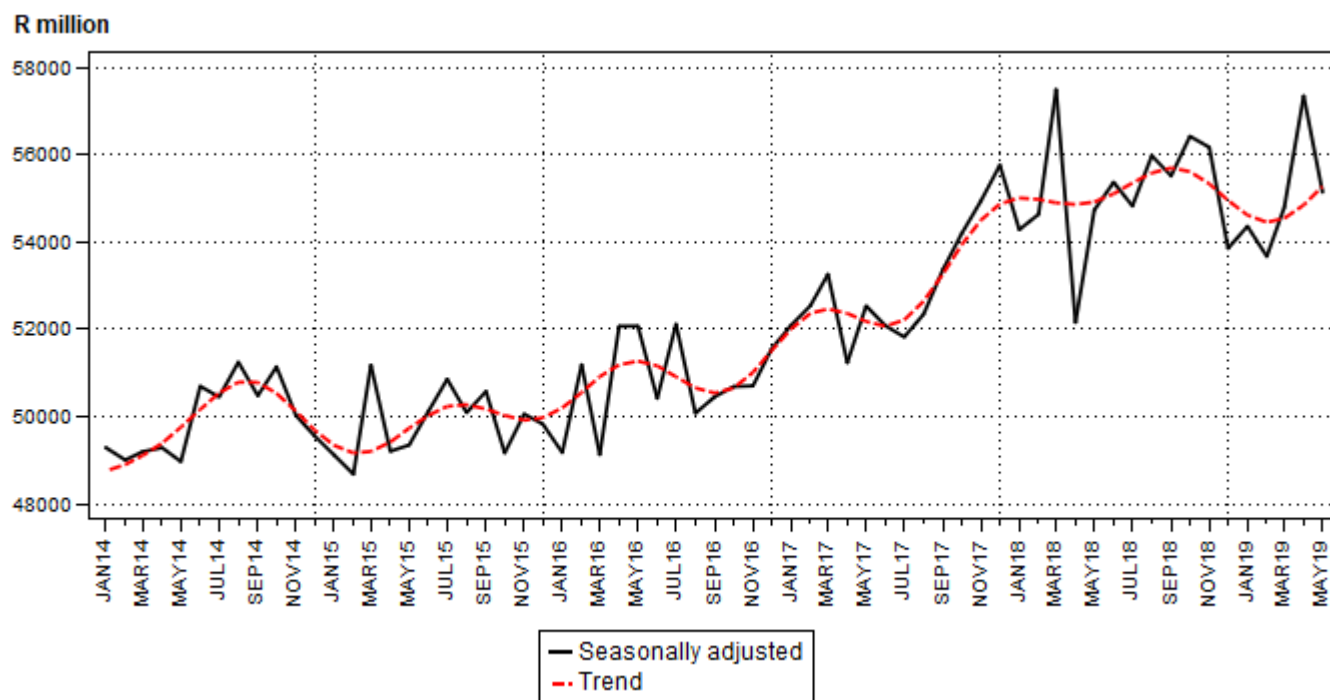
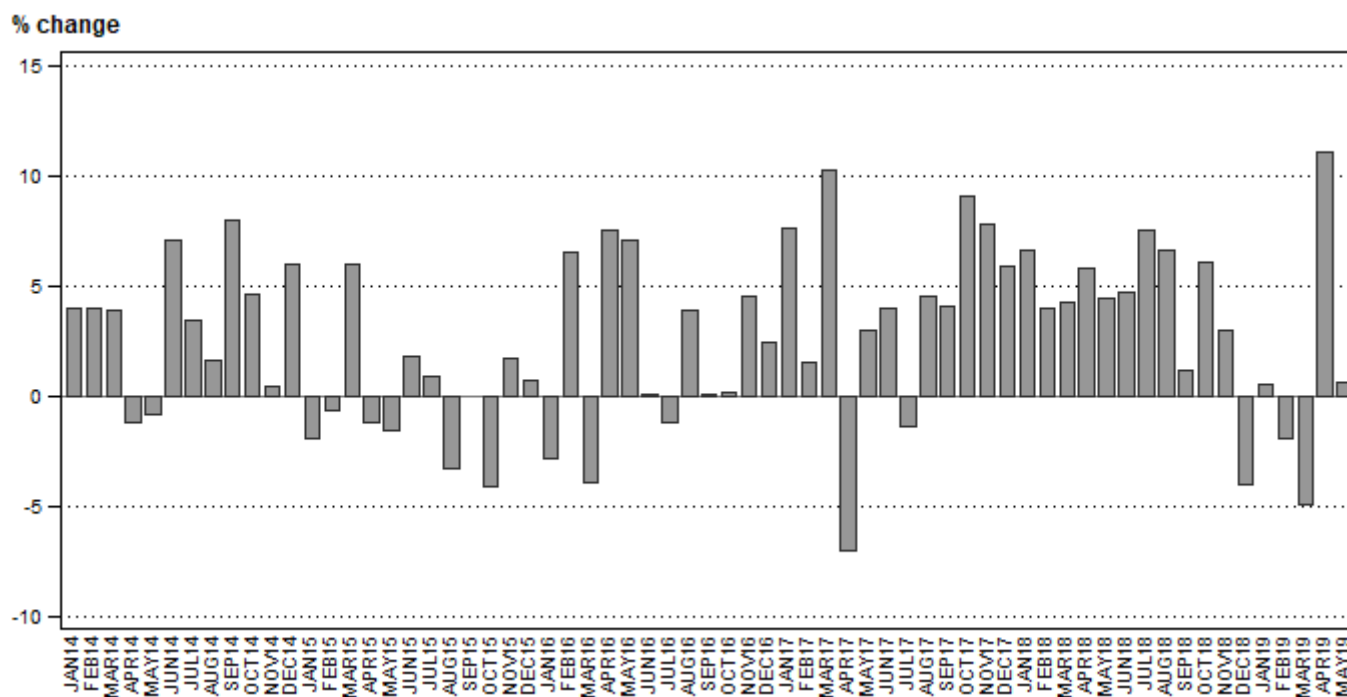
In the three months ended May 2019, seasonally adjusted motor trade sales increased by 3,3% compared with the previous three months.

Table B – Motor trade sales at current prices for the latest three months by type of activity

Type of activity	Mar – May 2018 (R million)	Weight	Mar – May 2019 (R million)	% change between Mar – May 2018 and Mar – May 2019	Contribution (% points) to the total % change
New vehicle sales	43 486	26,6	41 560	-4,4	-1,2
Used vehicle sales	31 215	19,1	30 727	-1,6	-0,3
Workshop income	10 174	6,2	10 222	0,5	0,0
Income from the sales of accessories	29 460	18,0	31 108	5,6	1,0
Income from fuel sales	43 317	26,5	46 940	8,4	2,2
Income from convenience store sales 1/	5 565	3,4	5 619	1,0	0,0
Total	163 220	100,0	166 175	1,8	1,8

1/ Includes 'other' sales and trading income.

Motor trade sales increased by 1,8% in the three months ended May 2019 compared with the three months ended May 2018. The main contributor was fuel sales (8,4% and contributing 2,2 percentage points) – see Table B.

Figure 1 – Motor trade sales at current prices**Figure 2 – Motor trade sales at current prices: year-on-year percentage change**

Risenga Maluleke
Statistician-General

Tables

Table 1 – Motor trade sales at current prices (R million)

Month	2013	2014	2015	2016	2017	2018	2019 1/
Jan	46 389	48 254	47 356	46 014	49 527	52 789	53 067
Feb	45 715	47 549	47 214	50 267	51 025	53 065	52 082
Mar	47 692	49 543	52 526	50 474	55 680	58 072	55 221
Apr	47 761	47 200	46 637	50 155	46 625	49 316	54 781
May	49 644	49 262	48 474	51 893	53 465	55 832	56 173
Jun	46 284	49 584	50 497	50 538	52 583	55 039	
Jul	51 244	52 988	53 475	52 846	52 124	56 036	
Aug	50 278	51 063	49 397	51 308	53 619	57 149	
Sep	47 221	50 985	50 975	51 029	53 127	53 776	
Oct	51 473	53 848	51 618	51 704	56 411	59 841	
Nov	50 445	50 668	51 509	53 843	58 029	59 766	
Dec	45 839	48 597	48 944	50 119	53 070	50 938	
Total	579 985	599 541	598 622	610 190	635 285	661 619	

1/ Figures for latest month are preliminary.

Table 2 – Year-on-year percentage change in motor trade sales at current prices

Month	2014	2015	2016	2017	2018	2019	2019 year-to-date
Jan	4,0	-1,9	-2,8	7,6	6,6	0,5	0,5
Feb	4,0	-0,7	6,5	1,5	4,0	-1,9	-0,7
Mar	3,9	6,0	-3,9	10,3	4,3	-4,9	-2,2
Apr	-1,2	-1,2	7,5	-7,0	5,8	11,1	0,9
May	-0,8	-1,6	7,1	3,0	4,4	0,6	0,8
Jun	7,1	1,8	0,1	4,0	4,7		
Jul	3,4	0,9	-1,2	-1,4	7,5		
Aug	1,6	-3,3	3,9	4,5	6,6		
Sep	8,0	0,0	0,1	4,1	1,2		
Oct	4,6	-4,1	0,2	9,1	6,1		
Nov	0,4	1,7	4,5	7,8	3,0		
Dec	6,0	0,7	2,4	5,9	-4,0		
Total	3,4	-0,2	1,9	4,1	4,1		

Table 3 – Seasonally adjusted motor trade sales at current prices

Month	R million				Month-on-month % change			
	2016	2017	2018	2019	2016	2017	2018	2019
Jan	49 177	52 089	54 280	54 357	-1,3	1,0	-2,7	0,9
Feb	51 185	52 540	54 633	53 668	4,1	0,9	0,7	-1,3
Mar	49 130	53 258	57 490	54 794	-4,0	1,4	5,2	2,1
Apr	52 069	51 233	52 158	57 344	6,0	-3,8	-9,3	4,7
May	52 072	52 534	54 728	55 143	0,0	2,5	4,9	-3,8
Jun	50 419	52 080	55 364		-3,2	-0,9	1,2	
Jul	52 115	51 823	54 823		3,4	-0,5	-1,0	
Aug	50 078	52 343	55 974		-3,9	1,0	2,1	
Sep	50 455	53 368	55 512		0,8	2,0	-0,8	
Oct	50 687	54 192	56 418		0,5	1,5	1,6	
Nov	50 703	54 945	56 166		0,0	1,4	-0,4	
Dec	51 554	55 758	53 852		1,7	1,5	-4,1	

Table 4 – Motor trade sales at current prices by type of activity (R million)

Type of activity	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19 1/
New vehicle sales	11 999	13 613	13 638	14 221	13 247	14 092
Used vehicle sales	8 821	10 153	9 995	9 998	10 332	10 397
Workshop income	2 840	3 270	3 247	3 389	3 367	3 466
Income from the sales of accessories	8 396	9 924	9 731	10 222	10 124	10 762
Income from fuel sales	16 798	14 250	13 710	15 459	15 848	15 633
Income from convenience store sales 2/	2 083	1 856	1 761	1 932	1 863	1 824
Total	50 938	53 067	52 082	55 221	54 781	56 173

1/ Figures are preliminary.

2/ Includes 'other' sales and trading income.

Table 5 – Year-on-year percentage change in motor trade sales at current prices by type of activity

Type of activity	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19
New vehicle sales	-13,6	-0,4	-5,6	-17,7	12,1	-2,0
Used vehicle sales	-7,7	1,8	-3,4	-9,7	10,7	-3,8
Workshop income	-12,2	4,3	-1,2	-2,4	8,6	-3,8
Income from the sales of accessories	-4,0	2,7	0,7	1,5	11,4	4,4
Income from fuel sales	7,9	-1,7	0,8	8,6	12,0	4,7
Income from convenience store sales 1/	0,9	0,3	3,7	-0,2	2,0	1,2
Total	-4,0	0,5	-1,9	-4,9	11,1	0,6

1/ Includes 'other' sales and trading income.

Table 6 – Contribution of each type of activity to the year-on-year percentage change in motor trade sales at current prices

Type of activity	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19
New vehicle sales	-3,6	-0,1	-1,5	-5,3	2,9	-0,5
Used vehicle sales	-1,4	0,3	-0,7	-1,9	2,0	-0,7
Workshop income	-0,7	0,3	-0,1	-0,1	0,5	-0,2
Income from the sales of accessories	-0,7	0,5	0,1	0,3	2,1	0,8
Income from fuel sales	2,3	-0,5	0,2	2,1	3,4	1,3
Income from convenience store sales 1/	0,0	0,0	0,1	0,0	0,1	0,0
Total	-4,0	0,5	-1,9	-4,9	11,1	0,6

1/ Includes 'other' sales and trading income.

Survey information

Introduction	1	Statistics South Africa (Stats SA) conducts a monthly survey covering enterprises in the motor trade industry (see 4 below). This survey is based on a sample drawn from Stats SA's 2018 business sampling frame (BSF) that contains businesses registered at the South African Revenue Service (SARS) for value added tax (VAT). Stats SA continuously updates its BSF, which is linked to the SARS administrative data.
	2	In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available. Published motor trade sales estimates exclude VAT.
Purpose of the survey	3	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.
Scope of the survey	4	The survey collects information from a sample of enterprises in South Africa that are predominantly involved in motor trade. These enterprises include: • motor vehicle dealers, filling stations and workshops; • motor cycle dealers; • spares and accessories; • tyre dealers; • automotive electricians; • radiator repairs; • panel beaters and spray painters; • 'other' specialised motor repair services; and • 'other' motor trade.
Classification	5	The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), 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</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to the industry which reflects its predominant activity. Statistics in this publication are presented at SIC group (four digits) level.
Collection rate	6	The preliminary collection rate for the survey on motor trade sales for May 2019 was 85,1%. The improved collection rate for April 2019 was 90,7%.
Statistical unit	7	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 and service activities.
Revised figures	8	Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.
Related publications	9	Users may also refer to the following publication available from Stats SA: • <i>Stats in Brief</i> issued annually.

- Rounding-off of figures** **10** Where figures have been rounded off, discrepancies may occur between sums of the component items and the totals.
- Historical data** **11** Historical motor trade data are available on the Stats SA website. To access the data electronically, use the following link: [Click to download historical data](#)
- Past publications** **12** Past motor trade releases are available on the Stats SA website. To access the releases electronically, use the following link: [Click to download past releases](#)

Technical notes

- Survey methodology and design** **1** The survey is conducted monthly. Questionnaires are sent to a sample of 912 enterprises from a population of 11 104 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Email, fax and telephone reminders are used to follow up on non-respondents.
- 2** A stratified random sample was drawn in April 2018 from Stats SA's business sampling frame (BSF) at the SIC four-digit level. Strata were formed using a combination of Standard Industrial Classification and the measure of size classes for enterprises (see point 3 below).

The Neyman optimal allocation formula given below was used to allocate samples to each stratum.

$$n_h = n * (N_h * S_h) / [\sum (N_i * S_i)].$$

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 strata was 3,8%.

- Class limits** **3** Each motor trade classification group (SIC at four digit level) is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to medium and small enterprises (size groups two, three and four). The total value of sales of the large enterprises (size group one) per classification group is added to the weighted totals of size groups two, three and four to reflect the total value of sales.

Measure of size classes (Rand)

Enterprise size	Size group	Lower limits	Upper limits
Very small	4	1 835 904	18 000 000
Small	3	18 000 001	85 500 000
Medium	2	85 500 001	175 500 000
Large	1	175 500 001	

- Sample weighting** **4** 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 classification group estimates. These procedures are consistent with international best practice.

Seasonal adjustment	5	Seasonally adjusted estimates are generated each month using the X-12-ARIMA Seasonal Adjustment Program developed by the US Bureau of the Census. 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 recognised more clearly. 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. The X-12-ARIMA procedure for motor trade sales is described in more detail on the Stats SA website at: Click to download seasonal adjustment motor trade sales August 2017
Trend cycle	6	The trend is the long-term pattern or movement of a time series. The X-12-ARIMA Seasonal Adjustment Program is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.
Reliability of estimates	7	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.
	8	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.
Month-on-month percentage change	9	The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.
Year-on-year percentage change	10	The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.
Contribution (percentage points)	11	The contribution (percentage points) to the year-on-year percentage change is calculated by multiplying the percentage change of each type of activity by its corresponding weight, divided by 100. The weight is the percentage contribution of each type of activity to total motor trade sales in the corresponding period of the previous year.

Glossary

Enterprise An 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 (SIC)*, Fifth Edition, Report No. 09-90-02 of January 1993.

Symbols and abbreviations

BSF	Business sampling frame
GDP	Gross domestic product
ISIC	International Standard Industrial Classification
IT	Income tax
Rm	Rand million
SIC	Standard Industrial Classification of all Economic Activities
SARS	South African Revenue Service
Stats SA	Statistics South Africa
VAT	Value added tax

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