## STATISTICAL RELEASE

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# Motor trade sales (Preliminary) 

March 2023

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## Contents

Sales at constant 2019 prices: results for March 2023 ..... 2
Table A - Key growth rates in motor trade sales at constant 2019 prices ..... 2
Table B - Motor trade sales at constant 2019 prices for the latest three months by type of activity ..... 2
Figure 1 - Motor trade sales at constant 2019 prices ..... 3
Figure 2 - Motor trade sales at constant 2019 prices: year-on-year percentage change ..... 3
Sales at current prices: results for March 2023 ..... 4
Table C - Key growth rates in motor trade sales at current prices ..... 4
Table D - Motor trade sales at current prices for the latest three months by type of activity ..... 4
Tables ..... 5
Table 1 - Motor trade sales at constant 2019 prices (R million) ..... 5
Table 2 - Year-on-year percentage change in motor trade sales at constant 2019 prices ..... 5
Table 3 - Seasonally adjusted motor trade sales at constant 2019 prices ..... 5
Table 4 - Motor trade sales at constant 2019 prices by type of activity (R million) ..... 6
Table 5 - Year-on-year percentage change in motor trade sales at constant 2019 prices by type of activity ..... 6
Table 6 - Contribution of each type of activity to the year-on-year percentage change in motor trade sales at constant 2019 prices ..... 6
Table 7 - Motor trade sales at current prices ( R million) ..... 7
Table 8 - Year-on-year percentage change in motor trade sales at current prices ..... 7
Table 9 - Seasonally adjusted motor trade sales at current prices ..... 7
Table 10 - Motor trade sales at current prices by type of activity (R million) ..... 8
Table 11 - Year-on-year percentage change in motor trade sales at current prices by type of activity ..... 8
Table 12 - Contribution of each type of activity to the year-on-year percentage change in motor trade sales at current prices ..... 8
Survey information ..... 9
Technical notes ..... 10
Glossary ..... 12
Technical enquiries ..... 12
General information ..... 13

## Sales at constant 2019 prices: results for March 2023

Table A - Key growth rates in motor trade sales at constant 2019 prices

|  | Oct-22 | Nov-22 | Dec-22 | Jan-23 | Feb-23 | Mar-23 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Year-on-year \% change, unadjusted | 2,7 | 0,8 | 1,8 | $-2,5$ | $-2,2$ | $-2,8$ |
| Month-on-month \% change, seasonally adjusted | $-1,9$ | $-0,7$ | 0,1 | $-1,7$ | 0,7 | $-1,0$ |
| 3-month \% change, seasonally adjusted 1/ | 2,0 | 1,6 | $-0,9$ | $-2,0$ | $-2,0$ | $-1,8$ |

1/ Percentage change between the previous three months and the three months ending in the month indicated.
Measured in real terms (constant 2019 prices), motor trade sales decreased by 2,8\% year-on-year in March 2023. Negative annual growth rates were recorded for:

- used vehicle sales (-12,1\%);
- convenience store sales (-7,1\%);
- workshop income (-2,6\%); and
- new vehicle sales (-2,3\%) - see Table 5.

The largest negative contributor to this decrease was used vehicle sales (contributing -2,6 percentage points) - see Table 6.

Seasonally adjusted motor trade sales decreased by 1,0\% in March 2023 compared with February 2023. This followed month-on-month changes of 0,7\% in February 2023 and -1,7\% in January 2023. In the first quarter of 2023, seasonally adjusted motor trade sales decreased by $1,8 \%$ compared with the fourth quarter of 2022.

Table B - Motor trade sales at constant 2019 prices for the latest three months by type of activity

| Type of activity | Jan - Mar 2022 <br> (R million) | Weight <br> (\%) | Jan - Mar 2023 <br> (R million) | $\begin{gathered} \text { \% change } \\ \text { between } \\ \text { Jan - Mar } \\ 2022 \\ \text { and } \\ \text { Jan - Mar } \\ 2023 \end{gathered}$ | Contribution (\% points) to the total \% change |
| :---: | :---: | :---: | :---: | :---: | :---: |
| New vehicle sales | 43794 | 25,1 | 43710 | -0,2 | -0,1 |
| Used vehicle sales | 37617 | 21,6 | 33217 | -11,7 | -2,5 |
| Workshop income | 11270 | 6,5 | 10820 | -4,0 | -0,3 |
| Income from the sales of accessories | 29996 | 17,2 | 30591 | 2,0 | 0,3 |
| Income from fuel sales | 45538 | 26,1 | 45793 | 0,6 | 0,2 |
| Income from convenience store sales 1/ | 6059 | 3,5 | 5793 | -4,4 | -0,2 |
| Total | 174274 | 100,0 | 169924 | -2,5 | -2,5 |

1/ Includes 'other' sales and trading income.

Motor trade sales decreased by $2,5 \%$ in the first quarter of 2023 compared with the first quarter of 2022. The main negative contributor to this decrease was used vehicle sales ( $-11,7 \%$ and contributing $-2,5$ percentage points) - see Table B.

Figure 1 - Motor trade sales at constant 2019 prices


Figure 2 - Motor trade sales at constant 2019 prices: year-on-year percentage change


Sales at current prices: results for March 2023
Table C - Key growth rates in motor trade sales at current prices

|  | Oct-22 | Nov-22 | Dec-22 | Jan-23 | Feb-23 | Mar-23 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Year-on-year \% change, unadjusted | 17,8 | 14,9 | 16,0 | 8,6 | 7,9 | 6,6 |
| Month-on-month \% change, seasonally adjusted | $-1,1$ | 0,9 | 0,4 | $-3,4$ | 0,7 | 0,0 |
| 3-month \% change, seasonally adjusted 1/ | 5,5 | 3,7 | 1,4 | $-0,3$ | $-1,4$ | $-2,3$ |

1/ Percentage change between the previous three months and the three months ending in the month indicated.
Table D - Motor trade sales at current prices for the latest three months by type of activity

| Type of activity | Jan - Mar 2022 <br> (R million) | Weight <br> (\%) | Jan - Mar 2023 <br> (R million) | \% change between Jan - Mar 2022 and Jan - Mar 2023 | Contribution (\% points) to the total \% change |
| :---: | :---: | :---: | :---: | :---: | :---: |
| New vehicle sales | 49644 | 24,6 | 53340 | 7,4 | 1,8 |
| Used vehicle sales | 39766 | 19,7 | 40136 | 0,9 | 0,2 |
| Workshop income | 12046 | 6,0 | 12455 | 3,4 | 0,2 |
| Income from the sales of accessories | 35398 | 17,5 | 38790 | 9,6 | 1,7 |
| Income from fuel sales | 58633 | 29,0 | 65671 | 12,0 | 3,5 |
| Income from convenience store sales 1/ | 6676 | 3,3 | 7222 | 8,2 | 0,3 |
| Total | 202163 | 100,0 | 217615 | 7,6 | 7,6 |

1/ Includes 'other' sales and trading income.

## Risenga Maluleke <br> Statistician-General

## Tables

Table 1 - Motor trade sales at constant 2019 prices ( R million)

| Month | $\mathbf{2 0 1 7}$ | $\mathbf{2 0 1 8}$ | $\mathbf{2 0 1 9}$ | $\mathbf{2 0 2 0}$ | $\mathbf{2 0 2 1}$ | $\mathbf{2 0 2 2}$ | $\mathbf{2 0 2 3} \mathbf{1 /}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan | 59894 | 60742 | 60226 | 58216 | 51631 | 56349 | 54952 |
| Feb | 61174 | 61120 | 58299 | 58548 | 54390 | 57242 | 56005 |
| Mar | 66790 | 67052 | 61130 | 49858 | 59501 | 60683 | 58967 |
| Apr | 56107 | 56128 | 58953 | 10560 | 55282 | 55267 |  |
| May | 63401 | 62652 | 60455 | 32848 | 56899 | 58671 |  |
| Jun | 62578 | 60844 | 57431 | 51868 | 54997 | 55016 |  |
| Jul | 62781 | 61614 | 63642 | 54436 | 51332 | 56372 |  |
| Aug | 64180 | 62695 | 62688 | 54737 | 56341 | 60044 |  |
| Sep | 62822 | 59111 | 58278 | 57399 | 57863 | 61413 |  |
| Oct | 66111 | 64314 | 64005 | 58754 | 58309 | 59883 |  |
| Nov | 67686 | 64014 | 61976 | 58439 | 60698 | 61159 |  |
| Dec | 61354 | 55876 | 56288 | 55738 | 55345 | 56346 |  |
| Total | $\mathbf{7 5 4 8 7 8}$ | $\mathbf{7 3 6 1 6 2}$ | $\mathbf{7 2 3 3 7 1}$ | $\mathbf{6 0 1 4 0 1}$ | $\mathbf{6 7 2 5 8 8}$ | $\mathbf{6 9 8} \mathbf{4 4 5}$ |  |

1/ Figures for the latest month are preliminary.

Table 2 - Year-on-year percentage change in motor trade sales at constant 2019 prices

| Month | $\mathbf{2 0 1 8}$ | $\mathbf{2 0 1 9}$ | $\mathbf{2 0 2 0}$ | $\mathbf{2 0 2 1}$ | $\mathbf{2 0 2 2}$ | $\mathbf{2 0 2 3}$ | 2023 <br> year-to-date |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
| Jan | $\mathbf{1 , 4}$ | $-0,8$ | $-3,3$ | $-11,3$ | 9,1 | $\mathbf{- 2 , 5}$ | -2,5 |
| Feb | $-0,1$ | $-4,6$ | 0,4 | $-7,1$ | 5,2 | $-2,2$ | $-2,3$ |
| Mar | 0,4 | $-8,8$ | $-18,4$ | 19,3 | 2,0 | $-2,8$ | $-2,5$ |
| Apr | 0,0 | 5,0 | $-82,1$ | 423,5 | 0,0 |  |  |
| May | $-1,2$ | $-3,5$ | $-45,7$ | 73,2 | 3,1 |  |  |
| Jun | $-2,8$ | $-5,6$ | $-9,7$ | 6,0 | 0,0 |  |  |
| Jul | $-1,9$ | 3,3 | $-14,5$ | $-5,7$ | 9,8 |  |  |
| Aug | $-2,3$ | 0,0 | $-12,7$ | 2,9 | 6,6 |  |  |
| Sep | $-5,9$ | $-1,4$ | $-1,5$ | 0,8 | 6,1 |  |  |
| Oct | $-2,7$ | $-0,5$ | $-8,2$ | $-0,8$ | 2,7 |  |  |
| Nov | $-5,4$ | $-3,2$ | $-5,7$ | 3,9 | 0,8 |  |  |
| Dec | $-8,9$ | 0,7 | $-1,0$ | $-0,7$ | $\mathbf{1 , 8}$ |  |  |
| Total | $\mathbf{- 2 , 5}$ | $\mathbf{- 1 , 7}$ | $\mathbf{- 1 6 , 9}$ | $\mathbf{1 1 , 8}$ | $\mathbf{3 , 8}$ |  |  |

Table 3 - Seasonally adjusted motor trade sales at constant 2019 prices

| Month | R million |  |  |  | Month-on-month \% change |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{2 0 2 0}$ | $\mathbf{2 0 2 1}$ | $\mathbf{2 0 2 2}$ | $\mathbf{2 0 2 3}$ | $\mathbf{2 0 2 0}$ | $\mathbf{2 0 2 1}$ | $\mathbf{2 0 2 2}$ | $\mathbf{2 0 2 3}$ |
| Jan | 59320 | 54440 | 59122 | 57061 | 0,1 | $\mathbf{- 4 , 7}$ | 3,6 | $-1,7$ |
| Feb | 58608 | 56124 | 58822 | 57435 | $-1,2$ | 3,1 | $-0,5$ | 0,7 |
| Mar | 48248 | 56842 | 58388 | 56870 | $-17,7$ | 1,3 | $-0,7$ | $-1,0$ |
| Apr | 13712 | 58434 | 58364 |  | $-71,6$ | 2,8 | 0,0 |  |
| May | 33939 | 57786 | 58730 |  | 147,5 | $-1,1$ | 0,6 |  |
| Jun | 52933 | 56599 | 56757 |  | 56,0 | $-2,1$ | $-3,4$ |  |
| Jul | 53378 | 50756 | 57739 |  | 0,8 | $-10,3$ | 1,7 |  |
| Aug | 55088 | 55936 | 58741 |  | 3,2 | 10,2 | 1,7 |  |
| Sep | 56548 | 56475 | 59558 |  | 2,7 | 1,0 | 1,4 |  |
| Oct | 55608 | 56887 | 58415 |  | $-1,7$ | 0,7 | $-1,9$ |  |
| Nov | 56378 | 57245 | 58018 |  | 1,4 | 0,6 | $-0,7$ |  |
| Dec | 57153 | 57071 | 58054 |  | 1,4 | $-0,3$ | 0,1 |  |

Table 4 - Motor trade sales at constant 2019 prices by type of activity ( R million)

| Type of activity | Oct-22 | Nov-22 | Dec-22 | Jan-23 | Feb-23 | Mar-23 1/ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| New vehicle sales | 15233 | 16252 | 15085 | 13445 | 14656 | 15609 |
| Used vehicle sales | 12431 | 12439 | 10145 | 10975 | 10746 | 11496 |
| Workshop income | 3899 | 4234 | 3583 | 3328 | 3657 | 3835 |
| Income from the sales of accessories | 10055 | 10780 | 8997 | 9549 | 10286 | 10756 |
| Income from fuel sales | 16176 | 15529 | 16275 | 15656 | 14814 | 15323 |
| Income from convenience store sales 2/ | 2089 | 1925 | 2261 | 1999 | 1846 | 1948 |
| Total | 59883 | 61159 | 56346 | 54952 | 56005 | 58967 |

1/ Figures are preliminary.
2/ Includes 'other' sales and trading income.

Table 5 - Year-on-year percentage change in motor trade sales at constant 2019 prices by type of activity

| Type of activity | Oct-22 | Nov-22 | Dec-22 | Jan-23 | Feb-23 | Mar-23 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| New vehicle sales | 17,1 | 16,4 | 21,6 | 0,2 | 1,8 | -2,3 |
| Used vehicle sales | -5,3 | -10,0 | -12,0 | -10,4 | -12,6 | -12,1 |
| Workshop income | 11,8 | 15,2 | 8,1 | -4,9 | -4,6 | -2,6 |
| Income from the sales of accessories | -0,4 | -0,9 | -3,2 | -1,9 | 4,1 | 3,6 |
| Income from fuel sales | -1,9 | -4,8 | -1,2 | 1,3 | -0,4 | 0,8 |
| Income from convenience store sales 1/ | 0,0 | -6,6 | -3,5 | -0,3 | -5,6 | -7,1 |
| Total | 2,7 | 0,8 | 1,8 | -2,5 | -2,2 | -2,8 |

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 constant 2019 prices

| Type of activity | Oct-22 | Nov-22 | Dec-22 | Jan-23 | Feb-23 | Mar-23 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| New vehicle sales | 3,8 | 3,8 | 4,8 | 0,0 | 0,5 | $-0,6$ |
| Used vehicle sales | $-1,2$ | $-2,3$ | $-2,5$ | $-2,3$ | $-2,7$ | $-2,6$ |
| Workshop income | 0,7 | 0,9 | 0,5 | $-0,3$ | $-0,3$ | $-0,2$ |
| Income from the sales of accessories | $-0,1$ | $-0,2$ | $-0,5$ | $-0,3$ | 0,7 | $-0,6$ |
| Income from fuel sales | $-0,5$ | $-1,3$ | $-0,4$ | 0,4 | $\mathbf{- 0 , 2}$ |  |
| Income from convenience store sales 1/ | 0,0 | $-0,2$ | $-0,1$ | $\mathbf{0 , 0}$ | $\mathbf{- 0 , 2}$ | $\mathbf{- 2 , 2}$ |
| Total | $\mathbf{2 , 7}$ | $\mathbf{0 , 8}$ | $\mathbf{1 , 8}$ | $\mathbf{- 2 , 5}$ | $\mathbf{- 2 , 8}$ |  |

1/ Includes 'other' sales and trading income.

Table 7 - Motor trade sales at current prices (R million)

| Month | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 1/ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan | 53674 | 57211 | 58073 | 58804 | 52684 | 64307 | 69808 |
| Feb | 55299 | 57509 | 56474 | 59193 | 56411 | 66109 | 71360 |
| Mar | 60342 | 62936 | 60017 | 50282 | 62668 | 71747 | 76447 |
| Apr | 50530 | 53531 | 59300 | 9984 | 59186 | 66563 |  |
| May | 57943 | 60467 | 61310 | 30529 | 61068 | 71587 |  |
| Jun | 56987 | 59603 | 58510 | 50658 | 59124 | 69060 |  |
| Jul | 56489 | 60840 | 63926 | 54854 | 55584 | 73233 |  |
| Aug | 58110 | 62122 | 63025 | 55427 | 61961 | 77045 |  |
| Sep | 57576 | 58713 | 58745 | 58247 | 63794 | 77864 |  |
| Oct | 61135 | 65150 | 64669 | 59408 | 64650 | 76149 |  |
| Nov | 62889 | 65163 | 62465 | 58928 | 68640 | 78848 |  |
| Dec | 57515 | 55523 | 56859 | 55940 | 63570 | 73737 |  |
| Total | 688489 | 718768 | 723373 | 602254 | 729340 | 866249 |  |

1/ Figures for the latest month are preliminary.

Table 8 - Year-on-year percentage change in motor trade sales at current prices

| Month | $\mathbf{2 0 1 8}$ | $\mathbf{2 0 1 9}$ | $\mathbf{2 0 2 0}$ | $\mathbf{2 0 2 1}$ | $\mathbf{2 0 2 2}$ | $\mathbf{2 0 2 3}$ | 2023 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| year-to-date |  |  |  |  |  |  |  |$|$| 8,6 |
| :--- |
| Jeb |

Table 9 - Seasonally adjusted motor trade sales at current prices

| Month | R million |  |  |  | Month-on-month \% change |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{2 0 2 0}$ | $\mathbf{2 0 2 1}$ | $\mathbf{2 0 2 2}$ | $\mathbf{2 0 2 3}$ | $\mathbf{2 0 2 0}$ | $\mathbf{2 0 2 1}$ | $\mathbf{2 0 2 2}$ | $\mathbf{2 0 2 3}$ |
| Jan | 60734 | 56159 | 68233 | 73268 | $\mathbf{1 , 5}$ | $\mathbf{- 3 , 3}$ | $\mathbf{4 , 3}$ | $\mathbf{- 3 , 4}$ |
| Feb | 61709 | 58700 | 68502 | 73798 | 1,6 | $\mathbf{4 , 5}$ | 0,4 | 0,7 |
| Mar | 48655 | 60169 | 69270 | 73794 | $-21,2$ | 2,5 | 1,1 | 0,0 |
| Apr | 13848 | 62471 | 70181 |  | $-71,5$ | 3,8 | 1,3 |  |
| May | 30061 | 60706 | 70530 |  | 117,1 | $-2,8$ | 0,5 |  |
| Jun | 51261 | 60257 | 70565 |  | 70,5 | $-0,7$ | 0,0 |  |
| Jul | 52658 | 53778 | 72484 |  | 2,7 | $-10,8$ | 2,7 |  |
| Aug | 54939 | 60702 | 74837 |  | 4,3 | 12,9 | 3,2 |  |
| Sep | 57022 | 62270 | 75666 |  | 3,8 | 2,6 | 1,1 |  |
| Oct | 56343 | 62895 | 74821 |  | $-1,2$ | 1,0 | $-1,1$ |  |
| Nov | 56619 | 65154 | 75510 |  |  | 0,5 | 3,6 | 0,4 |
| Dec | 58077 | 65439 | 75814 |  |  |  | 0,9 |  |

Table 10 - Motor trade sales at current prices by type of activity ( R million)

| Type of activity | Oct-22 | Nov-22 | Dec-22 | Jan-23 | Feb-23 | Mar-23 1/ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| New vehicle sales | 17981 | 19449 | 18094 | 16303 | 17861 | 19176 |
| Used vehicle sales | 14567 | 14773 | 12111 | 13182 | 12984 | 13970 |
| Workshop income | 4368 | 4743 | 4020 | 3818 | 4205 | 4432 |
| Income from the sales of accessories | 12479 | 13543 | 11229 | 12002 | 13024 | 13764 |
| Income from fuel sales | 24227 | 24003 | 25528 | 22038 | 20989 | 22644 |
| Income from convenience store sales 2/ | 2526 | 2338 | 2755 | 2465 | 2298 | 2459 |
| Total | 76149 | 78848 | 73737 | 69808 | 71360 | 76447 |

1/ Figures are preliminary.
2/ Includes 'other' sales and trading income.

Table 11 - Year-on-year percentage change in motor trade sales at current prices by type of activity

| Type of activity | Oct-22 | Nov-22 | Dec-22 | Jan-23 | Feb-23 | Mar-23 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| New vehicle sales | 23,1 | 23,6 | 29,3 | 7,6 | 9,4 | 5,6 |
| Used vehicle sales | 8,1 | 3,5 | 2,0 | 3,2 | 0,0 | $-0,2$ |
| Workshop income | 18,1 | 21,6 | 14,4 | 2,4 | 2,9 | 4,8 |
| Income from the sales of accessories | 6,0 | 7,8 | 4,2 | 5,5 | 11,6 | 11,4 |
| Income from fuel sales | 28,5 | 20,4 | 22,3 | 15,6 | 9,5 |  |
| Income from convenience store sales 1/ | 12,1 | 4,9 | $\mathbf{8 , 4}$ | 12,2 | $\mathbf{6 , 9}$ | 5,5 |
| Total | $\mathbf{1 7 , 8}$ | $\mathbf{1 4 , 9}$ | $\mathbf{1 6 , 0}$ | $\mathbf{8 , 6}$ | $\mathbf{7 , 9}$ | $\mathbf{6 , 6}$ |

1/ Includes 'other' sales and trading income.
Table 12 - Contribution of each type of activity to the year-on-year percentage change in motor trade sales at current prices

| Type of activity | Oct-22 | Nov-22 | Dec-22 | Jan-23 | Feb-23 | Mar-23 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| New vehicle sales | 5,2 | 5,4 | 6,4 | 1,8 | 2,3 | 1,4 |
| Used vehicle sales | 1,7 | 0,7 | 0,4 | 0,6 | 0,0 | 0,0 |
| Workshop income | 1,0 | 1,2 | 0,8 | 0,1 | 0,2 | 0,3 |
| Income from the sales of accessories | 1,1 | 1,4 | 0,7 | 1,0 | 2,0 | 2,0 |
| Income from fuel sales | 8,3 | 5,9 | 7,3 | 4,6 | 0,7 |  |
| Income from convenience store sales 1/ | 0,4 | 0,2 | 0,3 | 0,4 | $\mathbf{0 , 2}$ | $\mathbf{0 , 2}$ |
| Total | $\mathbf{1 7 , 8}$ | $\mathbf{1 4 , 9}$ | $\mathbf{1 6 , 0}$ | $\mathbf{8 , 6}$ | $\mathbf{7 , 9}$ | $\mathbf{6 , 6}$ |

1/ Includes 'other' sales and trading income.

## Survey information

Introduction
Purpose of the survey

Scope of the survey

## Classification

Collection rate

Statistical unit

Revised figures

## Related publications

1 Statistics South Africa (Stats SA) conducts a monthly survey covering enterprises in the motor trade industry (see point 4 below). This survey is based on a sample drawn from Stats SA's 2022 business sampling frame (BSF) that contains businesses registered at the South African Revenue Service (SARS) for valueadded 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.

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.

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.

5 The 1993 edition of the Standard Industrial Classification of All Economic Activities (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 International Standard Industrial Classification of All Economic Activities (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-digit level.

6 The preliminary collection rate for the survey on motor trade sales for March 2023 was $76,5 \%$. The improved collection rate for February 2023 was $81,5 \%$.

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.

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.

9 Users may also refer to the following publication available from Stats SA:

- Stats in Brief issued annually.


## Rounding-off of figures

Historical data 11

10 Where figures have been rounded off, discrepancies may occur between sums of the component items and the totals.

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 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

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 limit | Upper limit |
| :--- | :---: | :---: | :---: |
| Very small | 4 | 2334640 | 18000000 |
| Small | 3 | 18000001 | 85500000 |
| Medium | 2 | 85500001 | 175500000 |
| Large | 1 | 175500001 |  |

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

Trend cycle

Constant prices

## Reliability of estimates estimates

5 Seasonally adjusted estimates are generated each month using the X-12-ARIMA Seasonal Adjustment Program developed by the United States Census Bureau. 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-tomonth 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 January 2023

Relative standard 10 error

## Month-on-month percentage change

| Year-on-year | 12 |
| :--- | :--- |
| percentage |  |
| change |  |

Contribution
13 (percentage points)

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.

7 Motor trade sales at constant prices by type of activity are obtained by deflating estimated sales at current prices by the relevant weighted price index. To obtain total motor trade sales at constant prices, estimates of the deflated sales for each type of activity are aggregated.

8 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.

9 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.

One measure is the standard error (SE), which indicates the extent to which an estimate might have varied by chance because only a sample of enterprises was used. The relative standard error (RSE) provides an immediate indication of the percentage errors likely to have occurred due to sampling, and thus avoids the need to refer to the size of the estimate.

Estimates of total motor trade sales within 95\% confidence limits - March 2023

|  | Upper limit <br> (R million) | Sales <br> (R million) | Upper limit <br> (R million) | Relative <br> standard error <br> (RSE) <br> $\%$ |
| :--- | :---: | :---: | :---: | :---: |
| Motor trade sales | 71769 | 76447 | 81125 | 3,1 |

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.

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.

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.

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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