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| **Version Table** | | |
| **Version** | **Date** | **Description** |
| 1 | Mar 10, 2010 | First Release |
| 2 | Jan 12, 2012 | Added DI “5NC2” |
| 3 | Sep 9, 2014 | Added DI “5NC3” |

**Commonly Used “5Nxx” Data Identifiers; Their Formats and Descriptions**

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| **Data  Identifier** | **Data Format** | **Assigned  Relative  OID** | **Data Field Description** | | | | | | | |
| 5N01 | a1 | 20110  C916 | **Tire Conicity Code Letter**. Component of the lateral shift that does not change with the direction of rotation. Represented as “+” or “–“ shift codes as defined by the following letters: | | | | | | | |
| A | B | C | D | E | F | G | H |
| No Split | + | - | Low | High | Low | High | Not Avail |
| 5NB1 | an...2 | 31010  13616 | **Speed Symbol:** Coded according to ETRTO (European Tyre & Rim Technical Organisation). | | | | | | | |
| 5NB2 | n...3 | 31110  13716 | **Load Index:** Coded according to ETRTO (European Tyre & Rim Technical Organisation). | | | | | | | |
| 5NB3 | an2 | 31210  13816 | **Tire Type:**  Code examples include:  First character general Second character  tire type: for run flat:  A = all season tire A = no run flat tire  B = summer tire B = SST (self-supporting tire)  C = winter tire C = CT tire  D = studded tire D = PAX tire  E = spare tire E = sealant tire  Z = other tire type Z = other run flat tire | | | | | | | |

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| **Data  Identifier** | **Data Format** | **Assigned  Relative  OID** | **Data Field Description** |
| 5NB4 | n7...n31  (111#222...333444  555666777888999  000) | 10510  6916 | **Measured Pressure & Tread Depth – psi, 32nds of an inch:** A concatenation of measured pressure (in psi) and tread depth values (in 32nds of an inch).  Example:  **111#222333444**, where:  **111** = Measured tire pressure in psi; 3 digits.  **#** = Number of observations that follow (1 - 9); 1 digit.  **222** = Measured Tread Depth 1, in 32nds of an inch; 3 digits  **333** = Measured Tread Depth 2, in inches; 3 digits.  **444** = Measured Tread Depth 3, in inches; 3 digits |
| 5NB5 | n7...n31  ...  (111#222333444  555666777888999  000) | 10610  6A16 | **Measured Pressure & Tread Depth – kPa, mm:** A concatenation of measured pressure (in kPa) and tread depth values (in mm’s).  Example:  **111#222333444**, where:  **111** = Measured tire pressure in kPa; 3 digits.  **#** = Number of observations that follow (1 - 9); 1 digit.  **222** = Measured Tread Depth 1, in mm; 3 digits  **333** = Measured Tread Depth 2, in mm; 3 digits.  **444** = Measured Tread Depth 3, in mm; 3 digits |
| 5NB6 | n14  (11111112222222) | 10710  6B16 | **Accumulated Tire / Vehicle Miles:** A concatenation of accumulated tire and vehicle miles.  Example:  **11111112222222**, where:  **1111111** = Accumulated tire mileage  **2222222** = Accumulated vehicle mileage |
| 5NB7 | n14  (11111112222222) | 10810  6C16 | **Accumulated Tire / Vehicle Kilometers:** A concatenation of accumulated tire and vehicle kilometers.  Example:  **11111112222222**, where:  **1111111** = Accumulated tire kilometers  **2222222** = Accumulated vehicle kilometers |

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| **Data  Identifier** | **Data Format** | **Assigned  Relative  OID** | **Data Field Description** |
| 5NB8 | an...10 | 10910  6D16 | **Branded Sidewall Tire ID:** Up to 10 alphanumeric characters.  This is NOT the U.S. DOT Code. |
| 5NB9 | n2 | 2610  1E16 | **Number of times the tire casing has been**  **retreaded:** 2 numeric digits. |
| 5NC0 | n...7 | 43510  1B316 | **Vehicle mileage; an odometer reading or other**  **specific recording mechanism that provides**  **mileage data.** There will be no decimal points in the data. |
| NC1 | n...7 | 43610  1B416 | **Vehicle Kilometers; an odometer reading or other**  **specific recording mechanism that provides**  **Kilometer data.** There will be no decimal points in the data. |
| 5NC2 | an | 19910  C716 | **Molded Tire Sidewall Information:** An electronic identification of tire information that is molded onto the sidewall by the tire manufacturer or by the retreader. Length of data undefined. |
| 5NC3 | an17…22 | 10410  6816 | **Molded (Branded) Retreader’s Tire Identification Number (TIN):**  Data Format:   * The first data element following the DI is mandatory and is the alphabetic letter “R”.   + Indicating “Retread” * The second data element is mandatory and is the plus sign (+), used as a data separator. * The third data element is optional and can be only the dash (-) character or the space ( ) character.   + When no data is included in this optional data element, the data separators before and after this optional data element shall be shown together with no space between them. * The fourth data element is mandatory and is the plus sign (+), used as a data separator. * The fifth data element is mandatory and is the 3 alphanumeric “Plant Code”.   + Assigned by NHTSA (National Highway Traffic Safety Administration). * The sixth data element is mandatory and is the plus sign (+), used as a data separator. * The seventh data element is optional and is the 2 alphanumeric “Tire Size”.   + When no data is included in this optional data element, the data separators before and after this optional data element shall be shown together with no space between them. * The eight data element is mandatory and is the plus sign (+), used as a data separator. * The ninth data element is optional and is the 2 alphanumeric “User Defined”.   + When no data is included in this optional data element, the data separators before and after this optional data element shall be shown together with no space between them. * The tenth data element is mandatory and is the plus sign (+), used as a data separator. * The eleventh data element is mandatory and is the 4 numeric Julian “Date of Manufacture” (2-digit week / 2-digit year).   Example using all optional data elements:  5NC3R+-+ABC+2A+ZZ+0112  Example using some optional data elements: 5NC3R++ABC+2A++0122  Example using no optional data elements: 5NC3R++ABC+++0122 |