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| **Acronyms/abbreviations in Vehicle Regulations** |
| **Alphabetical and numerical** |  |  |
|  |  |  |  |
| A&A | Full description | Used in | Parent |
| **A** |  |  |  |
| ABS | Anti-lock Braking System | R13, R13-H, R78 | GRRF |
| ADR | International Carriage of Dangerous Goods by Road | R13, R105, R111 | GRRF |
| AEBS | Advanced Emergency Braking System | R131 | GRRF |
| AML | Special use retreaded truck tyre | R109 | GRRF |
| APF | Abdominal Peak Force | R95 | GRSP |
| ASE | Auxiliary Steering Equipment | R79 | GRRF |
| ASEP | Additional Sound Emission Provisions | R41 |  |
| ASLD | Adjustable Speed Limiting Device | R89 | GRRF |
| ASLF | Adjustable Speed Limiting Function | R89 | GRRF |
| ASP | Additional Sidewall Protective rubber layer | R109 | GRRF |
| ASTM | American Society for Testing and Materials | R78, R13-H | GRRF |
| AT | Automatic Transmission | R41 |  |
| **B** |  |  |  |
| BAD | Bench Ageing Duration |  |  |
| BAS | Brake Assist System | R13-H | GRRF |
| BF | Brake Factor | R13 | GRRF |
| BOS | Beginning of Steer | R13-H | GRRF |
| **C** |  |  |  |
| CAC | Channel Amplitude Class | R12, R127 | GRSP |
| CAN | Controller Area Network | R83, R49 |  |
| CBS | Combined Braking System | R78 | GRRF |
| CCD | Close Coupling Device | R102 | GRRF |
| CEL annex | Complex Electronic Annex | R13, R13-H, R79 | GRRF |
| CFC | Channel Frequency Class | R12, R14, R16, R17, R22, R25, R80, R94, R95, R127 | GRSP |
| CFO | Cyclic Field Operations | R106 | GRRF |
| CFO | Critical Flow Orifice | R83, R49 | GRPE |
| CFV | Critical Flow Venturi | R83, R49 | GRPE |
| CHO | Cyclic Harvest Operations | R106 | GRRF |
| CLA | Chemi-Luminescent Analyser | R83, R49 | GRPE |
| CLD | Chemiluminescent Detector | R83, R49 | GRPE |
| COP | Conformity of Production |  |  |
| COS | Completion of steer | R13-H | GRRF |
| CRF | Child Restraint Fixture | R14, R16 | GRSP |
| crs | cruise | R41 | GRB |
| CT | Complete Test | R13, R13-H | GRRF |
| CVS | Constant Volume Sampling | R83, R49 | GRPE |
| CVT | Continuously Variable Transmission ratio | R41 | GRB |
| **D** |  |  |  |
| DAF | Dilution Air Filter | R83, R49 | GRPE |
| DC | Direct Current | R13, R13-H | GRRF |
| DEEP | Special Tread Agricultural tyre | R106 | GRRF |
| deNOx | NOx after-treatment system | R83, R49 | GRPE |
| DOP | Di-octylphtalate | R83, R49 | GRPE |
| DP | Dual Purpose (tyre) | R75 | GRRF |
| DR | Density Ratio | R83, R49 | GRPE |
| DT | Dilution Tunnel | R83, R49 | GRPE |
| **E** |  |  |  |
| EBS | Electronic Control Transmission | R13, R13-H | GRRF |
| ECL | Electric Control Line | R13 | GRRF |
| ECU | Electronic Control Unit | R13, R13-H | GRRF |
| EEPROM | Electrical Erasable Programmable Read-Only Memory | R83, R49 | GRPE |
| EGR | Exhaust Gas Recirculation | R83, R49 | GRPE |
| ESC | Electronic Stability Control | R13-H | GRRF |
| ET | Extra Tread Tyre | R30, R54, R109 | GRRF |
| EX vehicle | No definition | R105 | RE3 Annex 7 |
| **F** |  |  |  |
| FAC | Femur Acceptability Criterion | R80 | GRSP |
| FFC | Femur Force Criterion | R94 | GRSP |
| FID | Flame Ionization Detector | R83, R49 | GRPE |
| FMEA | Failure Mode and Effect Analysis | R13, R13-H, R79, R131 | GRRF |
| FRONT | Tractor Steering Wheel tyre marking | R106 | GRRF |
| FRT | Free Rolling Tyre | R54, R109 | GRRF |
| FT | Fade Test | R13, R13-H | GRRF |
| FTA | Fault Tree Analysis | R13, R13-H, R79, R131 | GRRF |
| **G** |  |  |  |
| GC | Gas Chromatograph | R83, R49 | GRPE |
| GVM | Gross Vehicle Mass | R13 | GRRF |
| GVW | Gross Vehicle Weight |  |  |
| **H** |  |  |  |
| HC | Hydrocarbons | R83, R49 | GRPE |
| HCLD | Heated Chemiluminescent Detector | R83, R49 | GRPE |
| HE | Heat Exchanger | R83, R49 | GRPE |
| HEC | Hybrid Engine Cycle | R83, R49 | GRPE |
| HEPA | High Efficiency Particulate Air | R83, R49 | GRPE |
| HEV | Hybrid Electric Vehicles |  |  |
| HFID | Heated Flame Ionization Detector | R83, R49 | GRPE |
| HIC | Head Injury Criterion | R22, R80, R127, (R43), R94, R95 | GRSG, GRSP |
| HILS | Hardware-in-the-loop simulation | Draft Amendment 3 to GTR No. 4 | GRPE |
| HPC | Head Performance Criterion | R94, R95 | GRSP |
| HPC | Hybrid Powertrain Cycle | Draft Amendment 3 to GTR No. 4 | GRPE |
| HV | Hybrid Vehicles |  |  |
| **I** |  |  |  |
| IEC | International Electrotechnical Commission |  |  |
| IF | Improved Inflexion tyre marking | R106 | GRRF |
| IMP | Implement tyre marking | R106 | GRRF |
| IND or Industrial | Tyres for use in construction applications | R106 | GRRF |
| IPXXB | Joint Test Finger | R100, R12, R94, R95 | GRSP |
| IPXXD | Test Wire | R100, R12, R94, R95 | GRSP |
| ISC | In-Service Conformity | R83, R49 | GRPE |
| ISO | International Organization for Standardization |  |  |
| ISO/F2 | Reduced-Height Forward Facing toddler CRS | R44, R16 | GRSP |
| ISO/F2X | Reduced-Height Forward Facing toddler CRS | R44 | GRSP |
| ISO/F3 | Full-Height Forward Facing toddler CRS | R44 | GRSP |
| ISO/L1 | Left Lateral Facing Position CRS (carry-cot) | R44 | GRSP |
| ISO/L2 | Right Lateral Facing Position CRS (carry-cot) | R44 | GRSP |
| ISO/R1 | Rearward Facing toddler CRS | R44 | GRSP |
| ISO/R2 | Reduced-Size Rearward Facing toddler CRS | R44 | GRSP |
| ISO/R3 | Full-Size Rearward Facing toddler CRS | R44 | GRSP |
| ISOFIX | International Standard Organization Fix | R14, R16, R44 | GRSP |
| IUPRM | In Use Performance Ratio Monitoring | R83 | GRPE |
| **J** |  |  |  |
|  |  |  |  |
| **K** |  |  |  |
|  |  |  |  |
| **L** |  |  |  |
| LBRL  | Lower Bumper Reference Line | R127 | GRSP |
| LDWS | Lane Departure Warning System | R130 | GRRF |
| LI | Load Capacity Index | R30, R106 | GRRF |
| LIV | Load Intensity Value | R55 | GRRF |
| LPG | Liquefied Petroleum Gas |  |  |
| LT | Rim diameter marking and Tyre to rim fitment configuration | R54, R109 | GRRF |
| **M** |  |  |  |
| MC | Mixing Chamber |  |  |
| MFDD | Mean Fully Developed Deceleration | R13, R13-H, R78 | GRRF |
| MI | Malfunction Indicator | R83, R49 | GRPE |
| ML | Mining and Logging | R54 | GRRF |
| MOPED | Moped tyre | R75 | GRRF |
| MPT | Multi Purpose Truck | R54, R109 | GRRF |
| MST | Multiservice tyres | R75 | GRRF |
| **N** |  |  |  |
| NDIR | Non-Dispersive Infrared (Analyzer) | R83, R49 | GRPE |
| NDUVR | Non-Dispersive Ultra-Violet Resonance Absorption | R83, R49 | GRPE |
| NG | Natural Gas |  |  |
| NHS | Not for Highway Service | R75 | GRRF |
| NIC | Neck Injury Criterion | R94, R95 | GRSP |
| NMC | Non-Methane Cutter | R83, R49 | GRPE |
| NMHC | Non-methane hydrocarbons | R83, R49 | GRPE |
| NOVC | Not Off Vehicle Charging | R83, R49 | GRPE |
| **O** |  |  |  |
| OBD | On-Board Diagnostic | R83, R49 | GRPE |
| OE | Original Equipment | R124 | GRRF |
| OEM | Original Equipment Manufacturer |  |  |
| OVC | Off Vehicle Charging | R83, R49 | GRPE |
| **P** |  |  |  |
| PBC | Peak Braking Coefficient | R78, R13-H | GRRF |
| PCD | Pitch Circle Diameter | R124 | GRRF |
| PDP | Positive Displacement Pump |  |  |
| **PEN** | Penetration Value of Bitumen | R51, R41, R117 | GRB |
| **PEN** | Penetration grade  | R63 | GRB |
| Per cent FS | Per cent of full scale |  |  |
| PFS | Partial Flow System | R83, R49 | GRPE |
| PID | Parameter Identifiers | R83, R49 | GRPE |
| PM | Particulate Matter | R83, R49 | GRPE |
| PMR | Power-Mass-Ratio | R41, R51 | GRB |
| PN | Particle Number | R83, R49 | GRPE |
| PNC | Particle Number Counter | R83, R49 | GRPE |
| POR | Professional Off Road Tyre | R30, R54 | GRRF |
| PSI | Pressure Index | R54 | GRRF |
| PSP | Particle Sampling Point | R83, R49 | GRPE |
| PSPF | Pubic Symphysis Peak Force | R95 | GRSP |
| PSV | Polished Stone Value | R41, R63 | GRB |
| PTFE | Polytetrafluoretheen | R95 | GRSP |
| PTS | Particle Transfer System | R83, R49 | GRPE |
| PTT | Particle Transfer Tube | R83, R49 | GRPE |
| PU | Polyurethane | R95 | GRSP |
| PVC | Polyvinylchloride | R95 | GRSP |
| **Q** |  |  |  |
|  |  |  |  |
| **R** |  |  |  |
| RDC | Rib Deflection Criterion | R95 | GRSP |
| REESS | Rechargeable Energy Storage System | R100, R12, R94, R95, R10 | GRSP, GRE |
| REINF | Reinforced tyre | R75 | GRRF |
| RESS | Replacement exhaust silencing systems | R92 | GRB |
| RETREAD/REMOULD | Retreaded tyre marking | R108 | GRRF |
| Rev | Revision | R63 |  |
| RFWS | Run-Flat Warning System | R64 | GRRF |
| RHESS | Hydraulic RESS |  |  |
| RMESS | Mechanical RESS |  |  |
| ROP | Roll Over Protection | R13, R13-H | GRRF |
| RPESS | Pneumatic RESS |  |  |
| **S** |  |  |  |
| SBC | Standard Bench Cycle | R83 | GRPE |
| SDBC | Standard Diesel Bench Cycle | R83 | GRPE |
| SFAD | Static Force Application Device | R14 | GRSP |
| SLD | Speed Limitation Device | R89 | GRRF |
| **SM** | Square Mesh | R63 | GRB |
| **SM** | Square Mesh sieve size | R9, R41 | GRB |
| SRC | Standard Road Cycle |  |  |
| SSBS | Split Service Brakes System | R78 | GRRF |
| SSF | Static Stability Factor | R13-H | GRRF |
| SSV | Subsonic Venturi | R83, R49 | GRPE |
| **T** |  |  |  |
| TCFC | Tibia compression Force Criterion | R94 | GRSP |
| TD | Texture Depth | R9, R41, R63 | GRB |
| TE | Total Energy | R95 | GRSP |
| ThAC | Thorax Acceptability Criterion | R80 | GRSP |
| THC | Total Hydrocarbons | R83, R49 | GRPE |
| ThCC | Thorax Compression Criterion | R94 | GRSP |
| TI | Tibia Index | R94 | GRSP |
| TPMS | Tyre Pressure Monitoring System | R64 | GRRF |
| TT | Transfer Tube | R83, R49 | GRPE |
| TTC | Time To Collision | R131 | GRRF |
| T-Type | Temporary Use Spare Tyre designed for higher use inflation than normal | R30 | GRRF |
| **U** |  |  |  |
| UBRL | Upper Bumper Reference Line | R127 | GRSP |
| **V** |  |  |  |
| V\*C | Viscous Criterion | R94 | GRSP |
| VC | Void Content | R51 | GRB |
| VDC | Vehicle Dynamic Control | R13, R13-H | GRRF |
| VGT | Variable Geometry Turbine |  |  |
| VIN | Vehicle Identification Number |  |  |
| VPR | Volatile Particle Remover |  |  |
| VRU | Emergency Relay Valve | R13 | GRRF |
| **VSF** | Vehicle Stability Function | R13, R13-H | GRRF |
| **VSF** | Vehicle Seat Fixture | R44 | GRSP |
| **W** |  |  |  |
| WAD | Wrap Around Distance | R127 | GRSP |
| WHSC | World Harmonized Steady State Cycle | R49 | GRPE |
| WHTC | World Harmonized Transient Cycle | R49 | GRPE |
| WHVC | World Harmonized Vehicle Cycle | R49 | GRPE |
| wot | wide open throttle | R41, R51 | GRB |
| **X** |  |  |  |
|  |  |  |  |
| **Y** |  |  |  |
| YC | Yaw Control | R13, R13-H | GRRF |
| **Z** |  |  |  |