

WEAR LIMITS AND SPECIFICATIONS

TABLE OF TOLERANCES (Based on the National Roadworthiness Guidelines)

The following table of in-service tolerances and wear limits is to be applied when determining the roadworthiness of the vehicle.

These indicate when repair and replacement is required.

You should conduct a review of the tolerance table listed below and mark any changes required for your vehicle.

Add any additional tolerances to the table required by your vehicle.

LOCATION	Your Tolerance	Suggested Tolerance
Steering		
Steering wheel free play		max 100mm
King pin play (at outer wheel)		max 10mm
Ball joint play (inc tie rods and drag arm)		max 3mm
King pin thrust movement		max 3mm
Spline connections		max 1mm radial
Oil leaks, power steering, engine, differential, gearbox		max 1drop/ 30 secs
Brakes		
Brake Booster push rod travel		max 80%
Brake air hose leaks		nil
Brake lining thickness above shoe		min 1.5mm
Air brake governor cut out pressure more than		930 KPa
Air brake governor cut in pressure more than		550 KPa
Mechanical Connections		
Pins, Pintle Hooks, Drawbar eyes		>5% wear
Movement between Sub frame and Hinged Drawbar		max 6 mm
Turntable movement between upper and lower parts		max 13mm
Tyres		
Tread Depth		min 2.5mm
Tyre pressure		max 825KPa
Diameter of matching tyres on same side of axle		± 25mm
Suspension		
Spring Leaves displaced sideways		10% of width
Windscreen		
Bulls – eye fracture exceeds		16 mm diameter
Cracks more than		150 mm Long
Fuel Tank		
LPG container dents/ creases		< 75 mm long
Depth of Dent		< 10% of width