



**Broughan**  
ENGINEERING LTD.COM

# Broughan Trailers

(Grain/Silage/Livestock/Flat-Bale)

## Operator & Maintenance Manual

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**This manual is provided to assist you in  
ensuring that you maintain your  
Broughan Trailer correctly and safely**



## Trailer Details

<b>Model:</b>	
<b>Serial No:</b>	
<b>Date of Purchase:</b>	
<b>Dealer Details:</b>	



### **COLLECTION/DELIVERY**

Ensure the trailer/s are secured properly and load weight limits are adhered to.

Tractor: Check reversing/brake lights before driving on public roads

- **Please ensure to check wheel nuts after 1<sup>st</sup> day of use**

### **GENERAL SAFETY AND ACCIDENT PREVENTATION**

Ensure attention is paid to all warning/information stickers provided in various areas on your trailer – these ensure your safety. ALWAYS make sure warning/information stickers are kept clear and in good condition.

Lighting & Wiring System are sealed and therefore do not require maintenance.

All lighting is LED – if faulty, complete unit is replaced – if a light is not working please ensure that it is repaired/replaced immediately.

NEVER allow children to play on or around tractors and machinery.

### **PRE-TRIP CHECKLIST**

There are a number of guidelines to follow in caring for your Broughan Trailer that can add years to its life

Check that the hitch is properly lubricated and not showing excessive wear.

Be sure to properly balance your load, benefits will include:



- Less stress on tow vehicle
- Better ride
- Reduced sway of trailer
- Safer hauling experience

DO NOT OVERLOAD, stay within your gross vehicle capacity.

Check operation of all lights

Check your route regarding length or width restrictions of trailers on certain roads.

## **MAINTENANCE**

### **Regularly grease**

- Hydraulic tipping rams
- Tipping pins
- Sprung drawbar
- Axles & suspensions
- Hydraulic door

Always maintain the recommended air pressure in tyres

Clean trailer periodically

Regularly spray mechanical moving parts such as the hitch and suspension parts that are exposed to the weather, with petroleum based penetrating lubricant.

Lights and Reflectors: the surfaces of the lights, reflective tape and reflectors need to be checked and cleaned. Inspect all lights to see that they are working. Check all brake and signal functions.



## **ROAD SAFETY HANDLING**

The driver should be familiar with the characteristics of the particular trailer and the load being transported.

The driver should be familiar with the nature of the roads and traffic which may be encountered during the trip.

It is the responsibility of the vehicle operators to ensure proper load securements throughout the trip, properly and completely secure the load no matter how short the trip

**WARNING:** Like any other vehicles, trailers can tip or slide out of control if turns are negotiated at too high a speed or when making violent manoeuvres such as abrupt lane changes or other evasive actions to avoid obstacles

## **TYRES/WHEELS**

Check tyres frequently for cuts and abrasions. Check the tyre pressure regularly and keep inflated as recommended by the tyre manufacture. Remove foreign objects that may be lodged in the tyre threads or between dual tyres.

Regularly check all wheel nuts for tightness



### 560/60/22.5 tyre pressure information

Km/h / bar	1.0	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0	5.0
70	1555	1745	2170	2465	2850	3230	3530	3870	4250	4750
65	1690	1900	2360	2685	3100	3515	3840	4210	4625	5150
50	2050	2300	2860	3250	3755	4260	4650	5100	5600	6235
40	2300	2580	3210	3650	4215	4785	5225	5725	6290	7005
25	2670	3000	3730	4240	4900	5560	6070	6655	7310	8140
10	3040	3415	4250	4830	5580	6330	6910	7580	8325	9270

### STORAGE CHECKLIST

Block up trailer under frame to avoid flat spotting of tyres

Lubricate all mechanical moving parts exposed to the weather.