

# WARREN

## LST-3420

### All Hydraulic Pull Type Litter Spreader

*All hydraulic powered spreader trailer for spreading lightweight bulky material such as chicken litter, sawdust, shavings and rice hulls.*



#### **LST-3420**

*The Warren Model LST-3420 Spreader incorporates a simple economical hydraulic power system with a large capacity high tensile steel hopper body for profitable long life operation.*



# LST-3420 Design Features

## The Warren Model LST-3420:

Is an all hydraulic powered bulk material spreader trailer to spread chicken litter, sawdust, shavings and rice hulls. Designed for ease of operation and maintenance, this unit eliminates many troublesome components found in mechanically powered models.

## Body Construction:

All electrically welded in bed type jigs and fixtures for accurate fit and alignment. 10 ga. ASTM-A570-45 high tensile steel sides/sills form the hopper sides in one piece with no horizontal seam corrosion pocket. Side/sills and 10 ga. steel end gates have inverted "J" formed top edge for extra strength and stiffness without corrosion pockets. Full slope 10 ga. trapezoidal side supports are located at each cross sill and hold sides at a 45° angle. "Tapered-in" front for better material seal and reduced power requirement. 3/16" (7 ga.) A570-45 high tensile steel conveyor bottom with angle type support stiffeners. 12 ga. skid resistant surface catwalks serve as fenders w/mud flaps. Prior to painting, trailer receives a hot phosphatizing wash. Standard finish is Warren White over industrial primer.

## Conveyor:

Overall width 34"—conveying width 34" with a 16" x 34" maximum feedgate opening. All steel heat treated pintle conveyor chain strands have 7/16" riveted pins and 21/4" pitch. 3/8" x 11/4" cross bars are welded to every fourth link. Eight tooth steel sprockets mounted to 1-1/2" dia. idler and 2" dia. drive shaft. 4" chain idler adjustment with anti-friction bearings. Rack and pinion feedgate control with pin lock.

## Conveyor Drive:

Heavy duty 6:1 reduction worm type gearbox with 2" dia. drive shaft mounted with 4-bolt flange type sealed ball bearing. Gearbox housing of cast iron and offset flange mounting for easy cleaning and maintenance. Heavy duty cast iron housing gear type hydraulic pump, driven by truck/tractor PTO powers conveyor in series with the hydraulic spinners. Conveyor speed is a function of the hydraulic pump speed which is dependent on the truck/tractor engine speed providing a ground speed relationship. Specify PTO speed and rotation when ordering.

## Distributor Spinner Assembly:

Two 24" dia. canted spinners are driven by roller stator type hydraulic motors. All hydraulic motors are the same for ease of service. Inverted "V" flow divider. Three specially formed adjustable replaceable fins on each spinner. Variable spinner speed control. Protective spinner guard.

## Running Gear:

Chassis: Rigid frame construction of 8" structural steel channel  
Hitch Pin: Adjustable height, single pin with safety chains  
Axles: Single, rigid  
Tires: 19L - 16.1 Farm Flotation  
Wheels: W16C Steel Disc, 8 Stud

## Accessories:

Frame mounted hydraulic oil reservoir with replaceable cartridge type filter. Adjustable relief valve set at 2000 psi.

## Optional Attachments:

- Hydraulic quick coupler for spinner shut-off
- Electric on/off cab control for conveyor
- Hydraulic operated feedgate
- Clearance, stop/taillights kit

## Specifications:

Available in 14 foot hopper length with a capacity of 305 cu. ft. (11.3 cu. yds., 245 bushels)

