

Basic Operation of Chandler Rear Discharge Tender

Basic Start Up:

1) Engage Power Take Off (PTO)

- A) Using cable or air shifter engage PTO
- B) After engaging PTO run hydraulic system for 10 minutes. This will allow the hydraulic oil to reach proper operating temperature.
- C) Not allowing hydraulic oil to warm up could damage some components and **Void** warranty.

2) Adjusting Discharge Auger Height

- A) Using raise and lower valve (located on driver's side catwalk) adjust discharge auger to desired height.

3) Starting discharge auger

- A) Start auger by moving the lever on the Flow Control Valve to 6.

4) Setting Engine Speed

- A) Using Engine Throttle Control set engine to desired run RPM

5) Starting Flow of Material

- A) After following steps 1 – 4 open the gate of the compartment you wish to unload half way.
- B) After opening gate, adjust auger speed if necessary, then open the gate all the way open.

6) Stopping Rear Discharge Auger Tender

(After unloading desired amount of material or compartment is empty)

- A) Close Compartment Gate
- B) Turn off flow control valve
- C) Lower discharge auger to auger rest
- D) Disengage PTO

Caution: Never load unit with gates open

Hydraulic Drive System Requirements

The Chandler Rear Discharge Auger Tender requires a pump, pumping 18-22 GPM with a capability of 2200 psi. This tender comes standard with a Commercial P-20-2 pump. Use the following chart below to match proper Pump and PTO combination.

<u>Type of Engine</u>	<u>Truck RPM</u>	<u>PTO %</u>
Diesel	1500 – 1800	70 – 80
Gas	1800 – 2000	60 - 70

Note: If pump and PTO combination are not available contact your local dealer or Chandler Equipment Service Department

- GPM (Gallons Per Minute)
- PSI (Per Square Inch)
- PTO (Power Take Off)

Tender pressure settings

1) Checking Pressure

- A) Run unit empty at ordinary operating speed for approximately 10 minutes. This allows oil to reach operating temperatures.
- B) Shut truck off and install pressure into “CF” port on flow control valve. (Refer to hydraulic flow control valve drawing – page?)
- C) Set flow control valve on 10.
- D) With PTO engaged and clutch engaged, Increase truck engine to ordinary operating speed.(1500-2000 RPM)
- E) Slowly release clutch while watching pressure gauge
- F) Pressure gauge should read 2200 psi. If not adjust pressure as outlined below.

Caution: When checking pressure, never allow truck to run over a few seconds with pump running and gauge installed in line. Once pressure reading is taken engage clutch immediately.

2) Adjusting Hydraulic Flow Control Valve Pressure:

- A) Remove cap nut on flow control valve (located on top of valve)
- B) Using a 5/16 Allen wrench turn adjustment screw “IN” to increase pressure or “OUT” to decrease pressure.
- C) Turn adjustment screw one half turn, then check pressure setting as outlined above.
- D) Continue this procedure until pressure gauge reads 2200 psi.

NOTE: If unable to obtain 2200 psi contact your local dealer or Chandler Equipment Service Department at 1-800-243-3319

Maintenance

We are pleased you selected our equipment. We feel, as we are sure you do, that equipment must be maintained properly and made to last as long as possible. Outlined below are areas to be properly maintained.

1) Gates:

The gates and gate slides are manufactured from type 304 stainless steel. The only maintenance required should be occasionally cleaning the slides.

2) Auger:

Frequent cleaning of auger and auger tube is advisable.

3) Bearings:

Although Chandler tenders come with factory pre-greased bearings, we recommend that you grease all bearings before using your tender.

Do Not over grease bearings

Only one shot of grease pre day.

Over greasing bearings will shorten the life of the bearings.

4) Hydraulic System:

A) Hydraulic filters should be changed every 120-200 hours or every four months.

Chandler tenders come with 10-micron filters.

Use of filters not meeting these specifications could damage hydraulic components and void warranty.

B) Hydraulic Oil

Kendall Four Seasons

ISO VG 46

SAE 15W

C) Hydraulic Oil Level – Chandler tenders come with oil level sight gauge.

Oil level should be to the top line on the gauge. Never let oil level get less than half way down on sight gauge