



Industrial Conveyor Specialists

**Installation, Maintenance & Parts Manual
For**

MODEL 525

Chain Driven Live Roller Conveyor

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Go to Info Center, Select the Maintenance Manual Tab
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Serial No.

Titan Zero Pressure Accumulators have been assembled and test run at the factory so very little adjustment is necessary after the units have been field assembled. The following information will help with initial installation of possible part replacement.

1. Along side the area where the conveyor is to be installed, layout the frame sections in their proper position according to the ordered description or refer to your copy of the approval drawing. If the frame placement has not been shown Titan recommends that the drive section be placed approximately in the center of the overall conveyor length. This is especially important for conveyors over 30 foot in length.

The diagram shows two Titan conveyors. The conveyor on the left is labeled with a callout pointing to its infeed end: CONVEYOR: J3247, SECTION: 1, JOINT: 1. The conveyor on the right is labeled with a callout pointing to its infeed end: CONVEYOR: J3247, SECTION: 2, JOINT: 1. Both conveyors have four rollers and are mounted on a metal frame.

TITAN CONVEYORS
 CONVEYOR: J3247
 SECTION: 1
 JOINT: 1

TITAN CONVEYORS
 CONVEYOR: J3247
 SECTION: 2
 JOINT: 1

NOTE! LOWER SECTION NUMBERS START AT THE CONVEYOR INFEED.

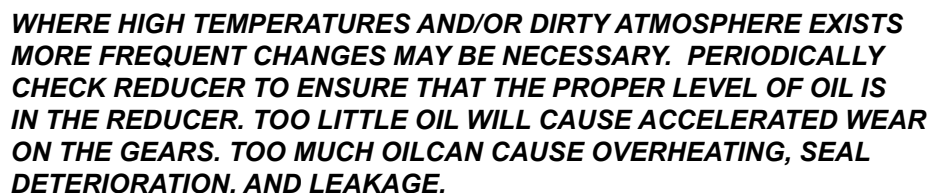
2. Layout a line on the floor to represent the centerline of the conveyor. As frame sections are bolted together make sure they remain centered on the line.
3. Bolt together conveyor frames finger tight. Square frames and make sure all frames line up with adjacent sections before securing all bolts. The frames must be level for proper operation. Adjust the supports as necessary for leveling.
4. Take off conveyor chain guards and with strands of chain provided, connect the end rollers from one frame section to another. See **FIGURE 3**.

! WARNING

COMPONENT CHECKLIST

- ✓ **MOTOR** Have a qualified electrician ensure the motor is wired correctly for your power source. Check that motor is securely fastened to the reducer or motorbase.
- ✓ **REDUCER** Check that the proper amount of oil is in the reducer.* ***Make sure a vent plug is installed on the reducer.**** (A solid plug is usually installed for shipping.)
- ✓ **BEARINGS** Double check that bearings are fastened securely. Be sure that locking collars are tightened and set screws are secured firmly to the shaft.
- ✓ **GENERAL** Check that sprockets with chain and/or sheaves with V-belt are aligned and properly tensioned.*

- Once installation of the conveyor and all of its adjusting elements have been completed, you are ready to run the conveyor empty. Start the conveyor and observe its' operation. Make sure that rollers are not rubbing against the chain guard(s). If you hear any of the chain loops snapping, it could be due to weld or weld spatter in the chain path. In that event, **LOCK OUT THE CONVEYOR**, disconnect the chain loop, clean off the welding spatter, reconnect the chain and run.



4. **LUBRICATION** - The equipment - made gears and bearings in our reducers require high-grade lubricants of the proper viscosity to maintain trouble-free performance. All standard reducers ordered from the factory are filled with ISO viscosity grade **Mobil Glygoyle 460 polyalkylene glycol (PAG)** lubricant. If oil needs to be added or changed, **ONLY** compatible polyglycol lubricants should be used. Contact the factory for more information.
5. **TEMPERATURE** - Most Titan units are supplied with worm gear reducers. These units may run at temperatures between 100 degrees to 200 degrees F. (Higher temperatures are especially common during start up). There is **NO NEED TO WORRY** unless temperatures exceed 200 degrees F.
6. **GENERAL MAINTENANCE** - Regular inspection to insure the reducer bolts and screws are tight, correct alignment of shaft and/or coupling, no major oil leaks, no excessive heating and no unusual vibration or noise will insure maximum life and performance of the reducer.

1. **LUBRICATION** - Bearings used on Titan conveyors are normally pre-lubed for life. If customer requested re-lube bearings are provided, the use of a #2 consistency lithium based grease is advised.

NORMAL DUTY	HEAVY DUTY
Texaco - Multifak #2	Sun - Prestige 742EP
Mobile - Mobilux #2	Exxon - Lidok #2EP
Amoco - Lithium MP	Arco - Litholene HEP2
Shell - Alvania #2	Shell - Alvania #2EP

- IF BEARING DOES NOT SLIDE ON EASILY, USE A SOFT METAL BAR TO TAP AGAINST THE INNER RACE TO ASSEMBLE.**

- GENERAL** - Set up a weekly check on all bearings to ensure they remain tightly bolted down, set screws remain fastened securely, and are properly lubricated.

