

AUGER DRIVE

The augers and their respective drive mechanisms are a unitized design for ease of removal and service. Each auger is chain-driven by a hydraulic motor mounted above the box back near the top of the unit. The double strand roller chain is enclosed in a sealed housing and drives a shaft at the lower end of the unit. The cast alloy auger is bolted to the chain-driven shaft.

Preventative maintenance on this system consists of lubricating the auger drive shaft housing every 8 hours of use with Texas Refinery Company #880 Crown and Chassis Lubricant or other comparable high temperature grease.

Auger—Remove and Replace

The auger casting may be removed from the auger drive shaft without removing the entire auger drive unit from the machine. Run the hopper extension out as far as possible. Remove the capscrew and nut holding the auger casting to the auger shaft. Pull the casting from the shaft through the hole in the hopper side plate.

NOTE: The augers are a cast alloy designed to give long life under severe abrasion; consequently, they are quite hard and brittle. Exercise great care in handling them as they will generally break when struck with a sharp blow or dropped. If a hammer must be used to remove the auger, insure that it is a neoprene or wooden mallet. Tap the auger lightly on the center flights, not on the end flights.

