



#### HIGHLIGHTS

- Peak torque  
4,890,000 lb. in.  
(553 KNm)
- Long service life,  
7–10 years
- Simple design for easy  
user maintenance
- Single-source contract,  
packaged with TB Wood's  
sheaves and Wichita Clutch  
clutches

#### Application Success Story



## Americardan 3000 Series Universal Joint Automobile Shredder

#### PROBLEM

Reliable power transmission components, including a universal joint, were needed for a scrap metal processor operating a rotary hammer car shredder powered by two natural gas engines. Typically, auto shredder drives are powered by an electric motor that is coupled directly to the shredder via a universal joint. Belts, sheaves and/or clutches required in this natural gas engine application would not be necessary with an electric motor drive configuration.

#### SOLUTION

Ameridrives packaged its Americardan Series 3000 universal joint with sheaves from TB Wood's and clutches from Wichita Clutch to become a single-source supplier for the customer.

The Model U3440 universal joint functions as the main drive shaft for the shredder rotor. It is designed to be serviced by the user, with wear components, such as clutch plates, able to be replaced in a single shift.

The universal joint, 30-inch and 60-inch sheaves, and clutches were provided to the customer who acted as his own general contractor and OEM on the project.

US (Customer Service)

**1-814-480-5000** (Universal Joints, Driveshafts)

**1-888-449-9439** (Small Industrial Driveshafts)

**1-219-874-5248** (Irrigation Universal Driveshafts)

[ameridrives.com](http://ameridrives.com)