



## Esco Oil Sight Glass Levelers & AMS Quick Connects

*Cup Manufacturing Company in the Southeast U.S.*

### *Cone Drive Gearbox*

- Made it possible to check oil levels and drain off water and contaminants during production
- Eliminated equipment failure and reduced downtime
- Reduced cleanup and oil drain time

#### **Customer Profile**

A cup manufacturing company located in the Southeast U.S. produces single-use products for beverages in the retail and food service markets.

#### **Application**

The manufacturer uses Cone Drive gearboxes to turn the cup-making machine.

#### **Challenge**

The Cone Drive gearboxes run 24 hours, seven days a week, and oil levels could not be checked during production. When production was shut down for preventive maintenance, draining the oil was difficult because of the position of the gearboxes. Draining the oil was a very messy job and often resulted in spills.

#### **Solution**

Mark D. Jones, LE lubrication consultant, talked to the plant's new maintenance manager and recommended the installation of Esco Oil Sight Glass Levelers to the gearboxes. The green and red O-rings on the levelers would enable the operator to check fluid levels in the gearboxes without stopping production. The operator could also drain off water and contaminants from the bottom of the sight glass, again without stopping production.

In addition, Mark recommended that the manufacturer install Quick Connects from AMS Filtration directly to



the gearbox drain ports to make oil drains easier. He suggested that the operator simply attach the hose from an existing filter cart to the AMS Quick Connect whenever the oil needed to be drained, then use the cart as a convenient transfer unit to get rid of the used oil.

#### **Results**

The Esco Sight Glass Levelers have helped the manufacturer eliminate equipment failure and reduce downtime by enabling the operator – while the gearbox is running – to see the oil level and to drain off water and contaminants as needed. The AMS Quick Connects attached to the gearboxes have eliminated messy oil spills and increased uptime by enabling faster oil drains.

*Thank you to the management and maintenance team, and to Mark D. Jones, LE lubrication consultant (pictured), for providing the information used in this report.*





Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

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