



Product: **Autoflex Couplings**



Application: **Crude Oil – Vertical Pump**

Function:

The customer, Saudi Aramco required three metal membrane couplings to be used on a Worthington vertical pump. The crude oil pump is considered critical and therefore the coupling has been designed to meet a G1.0 dynamic balance.

Drive Specification:

The coupling is located between the motor and the Worthington pump.
Motor: 615 HP operating at 1780 rpm.

Autoflex Coupling:

ECS 480 HVII - S - 170 – S1 – S2

Benefits:

The guard ring design allows for better dynamic balance which in turn reduces the vibration within the drive system. In addition, loss which occur due to windage are significantly reduced using the Autoflex coupling couplings

In addition to the technical merits of the Autoflex couplings, the delivery was also better than the competition.