

**Application:** Pot Line Crane Hook Rotation Gear Boxes

**Product Group:** Sun Hydraulics



**Summary:** The customer suddenly started breaking the hook rotation gear boxes on the PTA Cranes (increased from 1-2 per year to 1 per month). After talking to the workshop supervisor it was decided problems was probably due to new crane operators changing direction of rotation abruptly thereby causing gear boxes to break.

**Solution:** Fitted Sun Hydraulics dual cross line relief valves to Danfoss hook rotation motors on 3 cranes as trial units. This was a success and the other 5 cranes had valves fitted plus 1 spare for stock (total 9 units supplied).

**Advantages of Solution:** Customer was happy with result and have not had a gear box problem in the last 6 years.