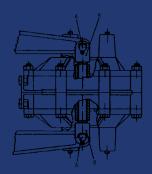
Ba ic Principle of Operation for Kobelt Di c Brake

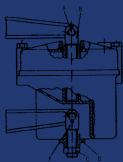
Clearance Adju tment

Before making any adju tment, en ure that the brake i relea ed.



Fluid Applied Actuator

Remove both pin A and turn both clevi e an equal amount. Turn counter clockwi e to decrea e clearance and clockwi e to increa e clearance.



Spring Applied Actuator

The clearance can be adjuted by removing pin A and by turning clevi B. It can be further adjuted by loo ening jam nut C. Then, by removing bolt in bracket D and rotating ame.



Balancing Link Adju tment

All caliper are equipped with balancing link to en ure even lining wear. To adju t, loo en crew B and adju t link A to align the hoe parallel with the di c.

SHIM KITS

In order to adapt a caliper for a thinner di c, him kit are available. The e him $\,$ D fit between the brake hoe and the bearing.

LINING REPLACEMENT

It i important to replace the lining before the rivet make contact with the di c. By removing crew $\,$ C or pin $\,$ E , the hoe can be taken off the caliper a embly. Drill out rivet and in tall new lining with the proper rivet . When re-in talling hoe into the caliper a embly, be ure to re-engage the balancing link $\,$ A $\,$.

Actuator Maintenance

Kobelt actuator require very little maintenance. However, hould it be nece ary to replace eal, proceed a follow:

Fluid Applied Actuator

The e actuator are in mo t ca e diaphragm operated. There are two diaphragm per actuator and one O ring between the centre hou ing. To replace eal, remove the actuator and di mantle ame. Clean all part and in tall new eal (diaphragm).

Operating Temperature, fluid applied: -40C (-40F) to 80C (176F)

Spring Applied Actuator

In order to remove the actuator, pre ure mu t be applied to the actuator to relea e the brake (or u e manual relea e crew). After removal, place actuator into a pre to retain the two hou ing before removing a embly bolt. Once di mantled, clean and replace part a needed. When re-a embling, lubricate all moving part.

Operating Temperature, pring applied: -25C (-13F) to 120C (248F)

Spring Applied Actuator with Manual Relea e Screw

All Kobelt pring applied actuator can be upplied with manual relea e crew . Thi manual relea e crew erve to relea e the brake upon failure of the fluid pre ure. It i very important that the fluid upply line i open to tank or atmo phere when winding the manual relea e crew inward, ince the pi ton cavity require a fluid upply ource when doing thi . Thi hold e pecially true in hydraulic y tem , where a vacuum plu the pring ten ion i generated. The manual relea e crew mechani m will fail if no ource of fluid upply i available.

Brake Shoe Clearance Adju tment for Spring Applied Actuator

On the pring applied caliper, it i very important that the proper clearance i maintained between hoe and di c. On the manual adjut actuator, the clevi pin can be removed and the clevi can be manually rotated to maintain a minimum clearance between di c and hoe. When the new lining i in erted it will be nece ary to turn the clevi inward to allow for the extra thickne of the new lining. Our automatic adjuting pring applied brake actuator will take up the exce clearance between brake lining and dic during normal u e automatically. When new lining i in talled, again the clevi pin mut be removed from the actuator rod and turned 90°. Thi will allow the actuator rod to be pu hed in completely to allow for the extra lining thickne. Re-in ert clevi pin after adjutment.

NOTE: Di c brake caliper equipped with pring applied actuator operated with air pre ure mu t have a lubricator in the y tem and the lubricant mu t be filled with a light hydraulic oil. Thi i to prevent premature eal wear and tickine. Over pre ure could cau e damage to the brake.

MAXIMUM PRESSURE: 100 p i fluid applied

250 p i pring applied

