Indroduction

45 Left and Right Movement Durability Test Rig.

The Scope of Test Rig development involves the following:

- Automatic adjustment of Base Frame Height Depending on the UUT through Static Load Hydraulic Actuator (Travel up to 300 mm).
- Application of 300 -350 Newton Hydraulic Load at an angle of 450 to the UUT at 20 CPM (This can be adjusted between 0-20 CPM)
- Load Application Cycle to be applied is
  Step i: Load on Left
  Step ii: Load on Right
- Dynamic Hydraulic Actuator Selection Should be for 150 mm Travel and it should be capable of applying up to 5000 Newton Load
- Measurement of Load applied (load Cell of 5 kN capacity)
- Display, Storage and Report Generation of the Data

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Specifications

Items	Description
24 Volts DC Power supply	5 amp (DR-120-24)
LED 24 volts DC(Red)	24 V DC
LED 24 volts DC(Green)	24 V DC
Contactor	9 amp, 24 volt(coil)
Thermal OLR	2-5 Amp
Terminal for Power (thick wire)	UK-10
MCB	TP, 6 Amp
MCB	DP, 6 Amp
Green Terminal (GND)	UK-2.5
Terminal (Neutral)	UK-2.5
Red Terminal	UK-2.5
Black Terminal	UK-2.5
relay	24 volts DC, 6 amp.

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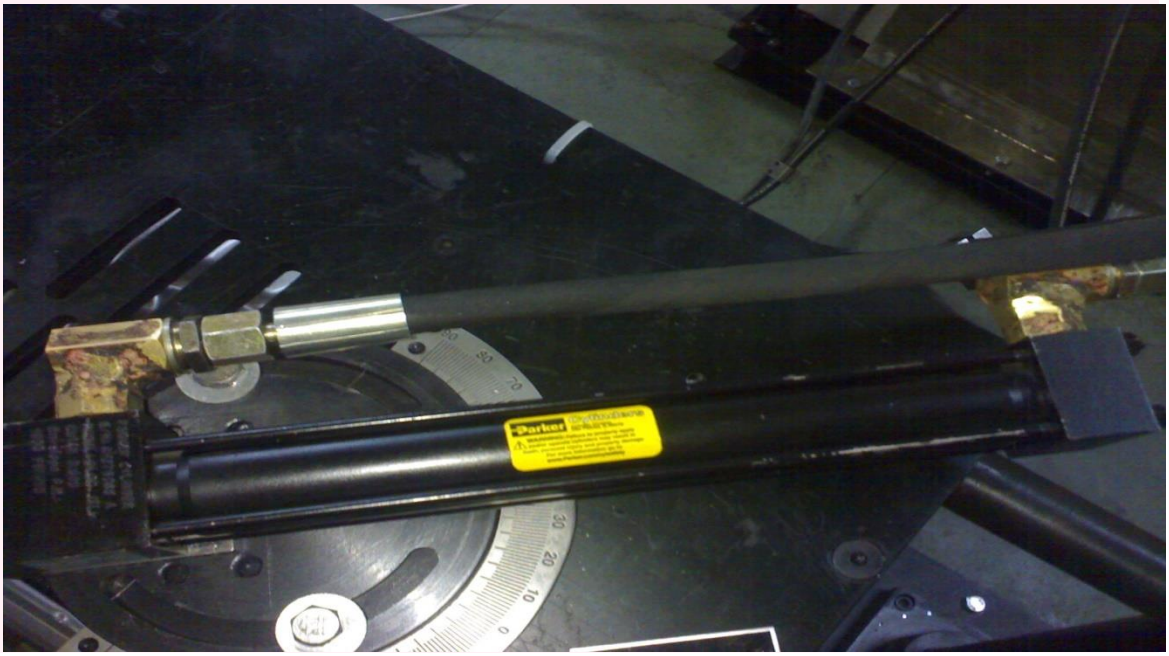
Application

Application of 300 -350 Newton Hydraulic Load at an angle of 450 to the UUT at 20 CPM (This can be adjusted between 0-20 CPM). Dynamic Hydraulic Actuator Selection Should be for 150 mm Travel and it should be capable of applying up to 5000 Newton Load. Measurement of Load applied (load Cell of 5 kN capacity).



KEY FEATURES

- SS 304 Tank-150 liters with necessary fittings & mountings, Drain Valve (Audco).
- Level Switch, level Gauge, temperature Switch, Filler Breather.
- Parker Make Pump/ Motor System with Couplings/ Mountings & Frame
- Pressure Regulator, Tescom/ Parker Make
- Flow Control Valve

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