

Product Name :
Gear Pump Test Rig

Product Code :
NEGEMG156



Description :

Gear Pump Test Rig

The gear pump test rig is designed for performance analysis of a hydraulic gear pump at different delivery pressures. The test rig consists of a gear pump driven by electric motor. The pump draws oil from a oil reservoir & the delivery pressure is controlled by a valve.

Measuring instruments are provided to measure Suction & delivery pressure, oil flow rate & power consumption of the motor.

Experimental Capabilities:

- Study Gear pump performance at different delivery heads

- Determination of gear pump efficiency & its performance characteristics

Specifications:

- Gear Pump: Input Power - 1 hp, Flow – 7 to 9 LPM (Max.)
- Electric Motor: 1 hp, 230 V AC
- Sump Tank: 20 Ltrs
- Oil Flow Measurement
- Pressure Relief Valve
- Digital Wattmeter
- Glycerin Filled Pressure Gauge
- Vacuum Gauge
- Hydraulic Seamless Piping with Oil Filter
- Base Frame: Made in M.S. Square Tubes, Powdercoated.

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