



Product name:
Hydraulic Troubleshooting Training System

Product code:
CIVIL-HTT-145-0001



Description

Hydraulic Troubleshooting Training System

Technical specification

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- (3) Hydraulic noise causes and elimination methods
 - (4) Pressure valve fault diagnosis and elimination method
 - (5) Fault diagnosis and elimination of shuttle valve
 - (6) Evaluation and Elimination of system failures
 - (7) Diagnosis and Elimination of hydraulic pressure maintaining failure
 - (8) System leak (internal leakage, outer leakage) diagnosis and elimination method
 - (9) Hydraulic components wear fault diagnosis and elimination method
 - (10) Speed control valve fault diagnosis and elimination method
 - (11) Electrical limit position adjustment method
 - (12) Analysis and troubleshooting of electrical wiring
 - (13) Hydraulic pipes piping training

Technical parameters of the hydraulic troubleshooting training system

- (1) Power Supply: three-phase four-wire $\sim 380 \pm 10\%$ 50Hz/60Hz
- (2) System rated pressure: 7Mpa, Rated flow: 9L / min
- (3) Dual Motor: Rated power of 1.5kW, speed 1420 r/min, insulation class F
- (4) Fuel tank: 650 dimensions (length) X600 (width) X200 (H);
- (5) Central station body with oil spills and oil collection tray
- (6) Vertical patch board size: 1200 (L) x 660 (W) x 33 mm (high)
- (7) Central station body with oil spills and oil collection tray plate size: 1200 (L) x 620 (W) x 33 mm (high)

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Training projects of the hydraulic troubleshooting training system

1. Theoretical part

- (1) Basic knowledge of hydraulic system failure
- (2) Hydraulic system fault classification
- (3) Fault mode of hydraulic components and systems
- (4) Fault Diagnosis basic content
- (5) The method of hydraulic fault diagnosis
- (6) Prevent hydraulic system failure
- (7) Introduction of electrical control principle
- (8) Automatic detection and sensor technology
- (9) PLC control technology

2. Practical part

- (1) Diagnosis and troubleshooting of the hydraulic pump failure
- (2) Hydraulic components mismatch fault diagnosis and troubleshooting