

Hydraulic System Shutdown Procedure-Drill Rig T45

Contents

Chapter 1. Hydraulic System Shutdown Procedure-Drill Rig T45.....	1
Chapter 2. Prerequesties:.....	2
Chapter 3. Procedure steps:.....	3
Chapter 4. Safety warnings.....	4
Chapter 5. Troubleshooting:.....	5
Chapter 6. Revision history:.....	6

Chapter 1. Hydraulic System Shutdown Procedure- Drill Rig T45

Purpose:

Purpose: This document provides standardized procedure for safely shutting down the hydraulic system on Epiroc Drill Rig T45 to avoid damage and ensure operator safety.

Scope:

Applicable to all field operators and maintenance technicians working on Epiroc Drill Rig T45 at any Epiroc approved site.

Chapter 2. Prerequisites:

Item	Description
PPE (Personal protective equipment)	Safety element, glove, goggles
Tool required	Pressure gauge, lockout device
System requirements	Engine stopped, machine parked

Definitions

Hydraulic lockout: A method to disable hydraulic energy before maintenance.

LOTO: Lockout- Tagout safety protocol

Chapter 3. Procedure steps:

This task describes the correct method for shutting down hydraulic system


1. Step 1: Prepration

- a. Park the rig on a level surface.
- b. Stop the engine and engage parking brake.

2. Step 2: Lockout

- a. Turn the hydraulic isolation switch to the OFF position.
- b. Attach lockout device.
- c. Place a visible tag with operators name and date.

3. Step 3: Depressurize system

- a.  **Warning:**
Do not proceed if pressure guage shows above 0 psi.

Use pressurize guage to confirm zero psi in lines.

- b. Slowly release any residual pressure using manual bleed value.

4. Step 4: Confirmation

- a. Attempt to engage a hydraulic control.
- b. If system is inactive, lockout is succsesful.

Chapter 4. Safety warnings

Reusable safety notes.



Warning:

Do not proceed if pressure guage shows above 0 psi.



Warning:

Always wear PPE during procedure.



Warning:

Never bypass the LOTO protocol.

Chapter 5. Troubleshooting:

Problem	Cause	Solution
Pressure not droppping	Valve jammed	Inspect bleed valve manually
Hydraulic switch not working	Electric fault	Report to supervisor

Chapter 6. Revision history:

Version	Date	Description	Author
1.0	20-Jul-2025	Initial Draft	I D Nadaf
1.1	25-Jul-2025	Added trouble shooting section	I D Nadaf