

Ricky Smith

Accurate Work Order Close Out



"TOOL BOX TRAINING"

Reference: ISO 14224

Accurate Work Order Close Out is important for the continuous improvement of any organization. The objective of accurate data collection is to assist management in making the right decisions at the right time.

General Rules:

1. Work Orders should have at the minimum: the correct code (breakdown (1), urgent (2), etc.); the correct equipment number, at the right level; the maintenance person's accurate total work hours charged to this work order; the start time and complete time on the job; comments from the maintenance person as to what work was performed, or any recommendation to changes to maintenance strategy or plan; any parts used whether from the storeroom or not; and the maintenance signature.

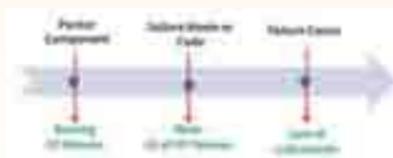
Without this information one cannot determine:

- Actual maintenance cost for specific assets.
- Mean Time Between Failure
- Mean Time To Repair
- Mean Time Between Repairs
- Rework
- If a PM Procedure is effective.
- If a specific type repair is effective.
- If a maintenance strategy meets the intent of maintenance.

2. Repair or Corrective Work orders must have everything as stated above, plus component code, failure code, and cause code.

Without this information one cannot determine:

- Dominant Failure Thread—which component has the most specific failure modes with a specific cause across multiple assets.



- Dominant Failure Pattern—which failure pattern is the most dominant, and what the major causes of failures for this pattern are. This allows one to develop strategies to eliminate unacceptable failures which impact the organization.



3. What should a Work Order have on it for Preventive Maintenance or Predictive Maintenance?

- The method to prevent or predict known failure modes. (Failure mode—how something fails)
- On a PM procedure, it should have specific steps and specifications on what is to be done to known best practices.

Example: Lubricate Bearing:

Step 1: Clean the grease fitting.

Step 2: Clean the end of the grease gun.

Step 3: Insert 4 grams of lithium grease (two shots).

- Comments on the procedure as to the effectiveness of it or recommended changes required.

If you have questions or would like to receive the Tool Box Series, send me an e-mail to rsmith@gpallied.com



Slightly used workhorse

Obtain results on efficiency estimation and torque analysis with the SKF Dynamic Motor Analyzer - EXP4000.

Verify the motor circuit and insulation with the Baker/SKF Static Motor Analyzer - AWA.

Monitor motors online from your office with the SKF Online Motor Analysis System - NetEP.

Reliability, durability and longevity are properties worth looking for in test equipment.

Through the years Baker Instrument has been known for developing test instruments that hold up and saves money in the harshest environments. We pride ourselves in continually following that tradition and developing analyzers to provide maintenance professionals with the right tool to efficiently keep rotating electrical machinery operating without downtime. As we transition to SKF durability, reliability and longevity will continue to be our focus. To obtain more information on these instruments contact us at 800/752-8272 or at our website at www.bakerinst.com.



YOUR MOST EFFECTIVE RELIABILITY TOOL IS ON THE JOB...



... AND LIVING UNDER A HARD HAT.

The Manufacturing Game® is a proven and sustainable way to get the most out of your organization

- Promotes defect elimination
- The only simulation that creates cross functional teams
- Experience the shift from reactive to proactive operations

MEASURABLE RESULTS IN 90 DAYS!

The Manufacturing Game®
www.mfg-game.com (281) 812-4148

INDUSTRIAL PRESS INC.
COMMITTED TO YOUR MAINTENANCE NEEDS!

NEW AND RECENTLY PUBLISHED!

ASSET DATA INTEGRITY IS SERIOUS BUSINESS
DiStefano & Thomas 2010, 224 pages, Illus., ISBN 978-0-8311-3422-8, \$49.95
The authors bring many years of experience and hands-on expertise that cannot be obtained elsewhere. This unique resource provides a road map to achieving value out of something most CEOs, managers, and workers often overlook.

DESIGN FOR RELIABILITY
Daniel Daley 2011, 250 pages, Illus., ISBN 978-0-8311-3437-2, \$44.95
Written from the perspective of the owner/buyer, this groundbreaking book explains how companies buying equipment and parts from OEMs can ensure that their suppliers are implementing DFR programs that meet the needs of the buyers.

THE RCM SOLUTION A PRACTICAL GUIDE FOR ACHIEVING POWERFUL RESULTS
Nancy Regan 2011, 300 pages, Illus., ISBN 978-0-8311-3424-2, \$49.95
This book is a "how-to" generic approach with minimal theory by a well-known and very active participant in the leading maintenance organizations and conferences. It presents detailed processes that can be used when RCM is not applicable and presents a total solution for implementing RCM for any organization.

TO SEE ALL OF OUR MAINTENANCE TITLES GO TO WWW.INDUSTRIALPRESS.COM.

ORDER ONLINE AND GET A 25% DISCOUNT ON ADVERTISED TITLES.*
BE SURE TO PROVIDE SPECIAL OFFER #UP23-11 AT CHECKOUT.
*OFFER EXPIRES 3/31/11 AND IS AVAILABLE TO U.S. RESIDENTS ONLY.

INDUSTRIAL PRESS INC.
989 Avenue of the Americas, 19th Floor • New York, NY 10018
(212) 889-6330 • Fax (212) 545-8327
www.industrialpress.com • E-mail: info@industrialpress.com