



WO Number 455187 Equipment Jammed

Unit Number CONV0002 Conveyor, 24", Articulated

Priority 2 Urgent

Type U Urgent WO

Status MI WO Scheduled - Daily Schedule

Charge to Dept 200

Branch M30

PM Parts Kit

Category Code 01

Category Code 02

Category Code 03

Sched Start Date 11/7/2012

Category Code 04

Planned Comp

Category Code 05 06 Conveyors

Originator 1001 Scott Hollowell

Assigned To

.....WO Text Attachment..... Text1

This is the Text Attachment for this WO

.....Completion Details.....

Current Meter Reading _____

Date/Time Equipment Returned to Service D: _____ T: _____

Additional Corrective Work Needed? Y / N *(Please Describe in Comments)*

.....Comments/Notes.....

.....WO Time Entry.....

<u>Employee #</u>	<u>Name</u>	<u>Date</u>	<u>Hours</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

CALIBRATION CHECKLIST

 =====
 TEST INST(S): 00169B/DSM-96A TEST SET GROUP
 =====

PROC. NO.	MFR	MODEL	SERIAL NO.			
PROCEDURE STEP NO. (1)	FUNCTION TESTED (2)	NOMINAL (3)	MEASURED VALUES 1st RUN (4)	2nd (5)	OUT of TOL (6)	CAL. TOL. (7)

 =====

4.5 TRANSMITTER FREQUENCY OFFSET

4.5.7	FREQ SW (-)	50 KHz			48 TO 52 KHz
4.5.9	FREQ SW (+)	50 KHz			48 TO 52 KHz

 4.6 INSERTION LOSS MEASUREMENTS FOR DIPLEXERS, ATTENUATORS, DIRECTIONAL
 COUPLERS, AND COAXIAL, CABLES. (RF PATHS)

4.6.1 COMPONENT GROUP A INSERTION LOSS

4.6.1.8	CH A	1.5 dB			0 TO 3 dB
4.6.1.8	CH C	1.5 dB			0 TO 3 dB
4.6.1.8	CH E	1.5 dB			0 TO 3 dB
4.6.1.8	CH L	1.5 dB			0 TO 3 dB
4.6.1.8	CH N	1.5 dB			0 TO 3 dB

4.6.2 COMPONENT GROUP B INSERTION LOSS

4.6.2.8	CH A	31 dB			29 TO 33 dB
4.6.2.8	CH C	31 dB			29 TO 33 dB
4.6.2.8	CH E	31 dB			29 TO 33 dB
4.6.2.8	CH L	31 dB			29 TO 33 dB
4.6.2.8	CH N	31 dB			29 TO 33 dB

4.6.3 COMPONENT GROUP C INSERTION LOSS

4.6.3.7	CH A	22 dB			20 TO 24 dB
4.6.3.7	CH C	22 dB			20 TO 24 dB



LOCKOUT TAGOUT PROCEDURE

OSHA CFR 1910.147

Developed by	Reviewed by	Revised by
ESC	ESC	

Description: Metal Treatment Furnace #1		Equipment #: CMMS - 11201	
Building: Main	Area: Metal Prep	Rev'n: 0	Date: N/A
		Date: N/A	Origin Date: 7/4/2006

6 **LOCKS & TAGS NEEDED**

NEXT AUDIT DUE
JULY 2007

NEXT AUDIT DUE
JULY 2008

NEXT AUDIT DUE
JULY 2009

NEXT AUDIT DUE
JULY 2010

East Side View

East Side View

West Side View



ALWAYS PERFORM A MACHINE STOP BEFORE LOCKING OUT DISCONNECTS

ID	Source	Device	Location	Method	Check
	Electrical 240V	Padlock	Isolation point on East side of furnace.	Move E-1 disconnect to off. Lock out.	Attempt restart at CP-1.
	Pneumatic 100 PSI	Gate valve device	Isolation point on East side of furnace.	Turn P-1 valve to closed position. Lock out.	Verify pressure has bled off.
	Propane Inlet	Ball valve device	Isolation point on East side of furnace.	Turn G-1 valve to closed position. Lock out.	Verify pressure has bled off.
	Exothermic Gas Inlet	Ball valve device	Isolation point on North side of furnace.	Turn G-2 valve to closed position. Lock out.	Verify pressure has bled off.
	Cold Water Supply	Gate valve device	Isolation point on West side of furnace.	Turn W-1 valve to closed position. Lock out.	Verify pressure has bled off.
	Cold Water Return	Gate valve device	Isolation point on West side of furnace.	Turn W-2 valve to closed position. Lock out.	Verify pressure has bled off.
Potential Energy Gravity		Be sure to lower all parts to lowest position or install blocks before attempting to service furnace.			
Thermal Energy		Be sure to wait until heat has dissipated from furnace before servicing. Wear proper PPE before beginning work.			

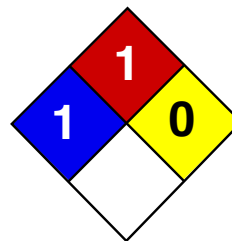


OPENING A GUARD DOES NOT CONSTITUTE A LOCKOUT

Any machine modifications must be shown in procedure. Contact safety dept. to update procedure.



Safety Is Your Responsibility!



Health	1
Fire	1
Reactivity	0
Personal Protection	C

Material Safety Data Sheet

Ethylene glycol MSDS

Section 1: Chemical Product and Company Identification

Product Name: Ethylene glycol

Catalog Codes: SLE1072

CAS#: 107-21-1

RTECS: KW2975000

TSCA: TSCA 8(b) inventory: Ethylene glycol

CI#: Not available.

Synonym: 1,2-Dihydroxyethane; 1,2-Ethanediol; 1,2-Ethandiol; Ethylene dihydrate; Glycol alcohol; Monoethylene glycol; Tescol

Chemical Name: Ethylene Glycol

Chemical Formula: HOCH₂CH₂OH

Contact Information:

Sciencelab.com, Inc.

14025 Smith Rd.

Houston, Texas 77396

US Sales: **1-800-901-7247**

International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:

1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Ethylene glycol	107-21-1	100

Toxicological Data on Ingredients: Ethylene glycol: ORAL (LD50): Acute: 4700 mg/kg [Rat]. 5500 mg/kg [Mouse]. 6610 mg/kg [Guinea pig]. VAPOR (LC50): Acute: >200 mg/m 4 hours [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:

Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of inhalation. Severe over-exposure can result in death.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH. **MUTAGENIC EFFECTS:** Mutagenic for mammalian somatic cells. Non-mutagenic for bacteria and/or yeast. **TERATOGENIC EFFECTS:** Not available. **DEVELOPMENTAL TOXICITY:** Not available. The substance may be toxic to kidneys, liver, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures