Fleet Assistance Team

Laundry Operations Clinic

Clinic Objectives

➢ Points of contacts

➢ Function of FAT

➢ Common Laundry Discrepancies

➢ Washer\Extractor Operations\Troubleshooting

Clinic Objectives:

➤ Dryer Operations

➤ Press Operations

➤ Barber Chair Information

➤ Resource CD Information

NEXCOM Ships Store Program

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Functional Tasks:

> Fleet habitability assistance representatives, Laundry Division, provide training to ship's maintenance personnel, make minor repairs as necessary, stress the importance of maintenance (PMS) of equipment, check the safety parameters of equipment and verify COSAL support.

Functional Tasks: (continued)

➢ Conduct Full Management Review on Laundry Operations prior to SMA, SMI, INSURV, or whenever ship requires.

➢ Provide Training and Technical Assistance for Laundry operators and maintenance personnel.

Description of Full Management Review:

➢ Complete evaluation of Laundry Equipment.

➢ Review of Logs and Records.

➢ Evaluation of operators and maintenance personnel.

Common Discrepancies:

Scales

➤ A padeye/appropriate permanent mounting system for laundry scale

➤ Laundry scale was not mounted above 6' 5"

➤ Scale must be linear, dial-indicating, 100-lb. Capacity **(Model# 6100, Kippenbrock scale service 757-588-0061)**

Common Discrepancies:

Eyewash Station

➢No station provided

➢Improper operation

Stool

➢Type "V" stool not provided **(NSN# H2090-00266-7463)**

Common Discrepancies: (continued)

Laundry Baskets

➢No baskets provided

Laundry Bags Stowage (Clean/Soiled)

➢Adequate areas

➢ **Areas for soiled and clean laundry shall be be fitted with deck and overhead gratings as specified in sect 622 of GSFS and circumscribed by telescoping battens as specified in sect 670 of GSFS**

Common Discrepancies: (continued)

Sorting Bins

➤ Minimum number of bin required is 25% of combined E-7 & Above

Laundry Detergent

➤ More than a daily operational needs were stowed in the laundry

Common Discrepancies: (continued)

Logs\Job Qualification Requirements (JQRs)

➢ Receipt/issue log not up to date / being used

➢ Maintenance log not up to date / being used

➢ Heat stress log not up to date / being used

➢ Operators not qualified to operate equipment

Common Discrepancies: (continued)

Safety

➢ W/E's, Tumbler/Dryers, Presses had missing or illegible safety placards

➢ Exposed gear, belt, rotating shaft (Rotating Machinery)

➢ Improper cleaning/mesh/installation (Fire Hazard)

Washer / Extractors:

EDRO Dyna Wash.

- 60, 100, or 200LB Models
- Automatic Operation using Standard Navy Wash Formulas.
- Chemicals used: automatically dispensed Ecolab solid detergent.
- Typical wash cycle: Break / suds, drain, flush / suds, drain, low speed extract, rinse, drain, rinse, drain, high speed extract.

➤ Formulas:

➤ Number 1 Wash Formula

  ➤ Used for White and Khaki Cotton, Synthetic and Synthetic / Cotton Blend Fabrics.

➤ Number 2 Wash Formula

  ➤ Used for Utility and Organizational Clothing.

➤ Number 3 Wash Formula

  ➤ Used for Woolens, Synthetic / Wool Blend Fabrics and Special Hazard Uniforms.

➤ Safety Devices:

- ➤ Vibration Limit Switch
  - ➤ Protects the machine from excessive vibration.
- ➤ Door Interlock
  - ➤ Protects operator from opening door on operating machine.
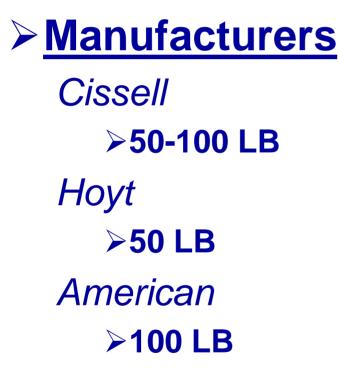- ➤ Electric Circuitry
  - ➤ Protects the machine from overload conditions.
- ➤ Rotating Machinery Guards
  - ➤ Protects personnel from rotating equipment.

Common Discrepancies

- *PLC controller/thermostat was not set to wash temperatures*
- *Machine load information plate*
- *Signal buzzer not audible/visible*
- *Basket door hinge pins ineffective/missing*
- *Basket door latch does not fully engage*
- *Load door gasket leaks*
- *Main brake air incorrect pressure*
- *Booster heater inop/did not activate*
- *High speed extract inoperative*

➢ **Manufacturers**

Cissell

➢ **50-100 LB**

Hoyt

➢ **50 LB**

American

➢ **100 LB**

➢ **Operating Features**

➢ *Temperature control:*

➢ *High 175 - 185 degrees, Low 155-165 degrees*

➢ *Cycle timer*

➢ *0-60 minute timer*

➢ *Cool down timer*

➢ *Cools clothing and dryer prior to stopping.*

➢ *Reversing timer*

➢ *reverses the drum to allow for even drying.*

➢ **Lint Filters:**

  ➢ 40 mesh filters are required

  ➢ Primary Filters

    ➢ Should be checked every 2 Hours of operation.

  ➢ Secondary Filters

    ➢ Should be checked every 4 Hours of operation.

➢ <u>**Safety Devices:**</u>

➢ Electrical Circuitry

    ➢ Protects the machine from overload conditions.

➢ Door Switch

    ➢ Protects the operator from the rotating drum.

➢ Rotating Machinery Guards

    ➢ Protects the operator and maintenance personnel from rotating equipment.

Common Discrepancies

- Lint Filters were not 40 mesh

- Primary & Secondary filters fowled with lint

- Lint Filters torn/missing

- Ventilation not set on high speed

- Drum misalign

- Could not regulate low\high temp.

- Dryer door safety interlock ooc

➢ **Presses:**

➢ Manufacturers

➢ Ajax

➢ Forenta

➢ Rheem

➢ New Yorker

➢ **<u>Operation:</u>**

➢ Head Closing

➢ Two hands are required for the closing of the head onto the buck.

➢ Head Release

➢ Released by pressing the release bar or lifting on release bar.

➢ **Buck Padding:**

➢ *Padding should be fluffy, 3/4 - 1 inch of padding wrapped around edge of buck*

  ➢ *Steel Wool Pad (changed yearly)*

  ➢ *2 50oz.Felt Pads (changed every 2 months)*

  ➢ *Cover (changed when dirty / stained / marked / burnt)*

➢ <u>**Safety Test:**</u>

- ➢ 3/4 inch obstruction test for Ajax, Rheem and New Yorker.
  - ➢ An object simulating a human hand is placed between the head and the buck.
- ➢ Safety Bar for Forenta
  - ➢ An object simulating a human arm is placed beneath the safety bar.

➢ **Barber Chairs**

➢ Manufacturer

➢ Turnbull Enterprises, INC.

  ➢ 3501 Marmenco Ct.

  ➢ Baltimore, MD 21230

  ➢ (410)-789-1700

➢ <u>**Common Problems**</u>

➢ Brake Assembly (Part# 18223)

➢ Becomes loose and needs to be tightened.

➢ Breaks and is unable to be tightened.

➢ Hydraulic Pump

➢ Breaks seal and is unable to raise chair.

➢ **(non-repairable needs replaced)**

➢ **NSTM Chapter 655, Laundry and Dry Cleaning**

  ➢ Contains descriptive technical information pertaining to shipboard operations, equipment installations and design criteria.

  ➢ Safety features

  ➢ operational and maintenance procedures

➢ **Shipboard Laundry and Dry Cleaning Equipment Catalog S6152-B1-CAT-010**

➢ Contains list of approved equipment designed to meet shipboard environmental effects.

➢ Offers simplified operator to equipment interface, safety requirements and efficiency.

➢ **<u>Laundry Safety Instructions</u>**

    ➢ Contains operational and safety instructions on all shipboard laundry equipment.

➢ Technical Manuals

- ➢ Washer / Extractors
- ➢ Tumbler / Dryers
- ➢ Presses
- ➢ Barber Chairs

➢ *Laundry Operations, Resource CD-Rom*

➢ <u>**Forms**</u>

➢ Laundry Bulk Work Log

➢ CPO laundry Log

➢ Officers Laundry Log

➢ Laundry Equipment Maintenance Log

➢ **Training**

➢ Ship's Servicemen JQR's

➢ Contains the fundamental, system and task sections required for qualification of laundry personnel.

  ➢ Laundry / dry cleaning chemical usage

  ➢ Receiving and issue

  ➢ Washer / extractor

  ➢ Tumbler / dryer

➢ <u>Training</u>

➢ Ship's Servicemen JQR's

➢ Laundry / dry cleaning press

➢ Spotting board

➢ Dry cleaning machine

➢ Receipt inspector

➢The first source should be the Naval Supply System.

➢There are several reliable outside sources.

➢Laundry Operations, Suppliers and Contractors

NEXCOM Ships Store Program

- ➢ D. W. Boyd Corporation
- ➢ Laundry Equipment, Parts and Service
- ➢ 4003 Colley Ave.
- ➢ Norfolk, VA 23508
- ➢ (757) 423-2268

➢ Kentronics, Inc

➢ Laundry Parts and Service

➢ 6207 Portsmouth BLVD

➢ Portsmouth, VA 23701

➢ (757) 465-7800

➢Ecolab

➢ Laundry Chemicals

➢348 Barcelona Dr.

➢Chesapeake, VA 23322

➢(800) 352-5326

➢Questions?