

## **LABORATORY OXIDATION SPECIMENS CERTIFICATE OF CONFORMANCE ASTM D2272 (RPVOT) COPPER COILS**

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The following are our specifications for coils used in ASTM method D2272, Oxidation Stability of Steam Turbine Oils by Rotating Pressure Vessel:

### **Copper Wire:**

Electrolytic, 1.63mm (0.0641" ± 0.0006") diameter, No.14 American Wire Gauge, 99.9% purity conforming to ASTM Specification 81, (Hard-Drawn Copper Wire)

### **Preparation of Coils:**

Wire polished with 100-grit silicon carbide abrasive cloth and wipe free from abrasives with a clean, dry cloth prior to winding.

### **Coil Dimensions:**

Wire length, nominal 3 meters, 44-45 mm O.D. by 40-42mm high. Each coil is weighed and weight adjusted after winding to 55.5 to 55.6 grams, corresponding to the copper content of the wire diameter and length specified in method.

### **Packaging of Coils:**

Coil placed in PET plastic jar with a silica gel desiccant bag added, jar flushed with nitrogen and then sealed with a cap.

Tariff Code 7408.19

#### **Tannas Co. & King Refrigeration, Inc.**

4800 James Savage Rd., Midland, MI 48642 USA

Telephone: 989-496-2309 ♦ Fax: 989-496-3438

📞 TannasKing.com ✉ tannas@savantgroup.com

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