

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

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" \pm 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

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