

SERVICE BULLETIN

Purpose:

This service bulletin provides guidance on the cleaning solvent and lubrication for remote control drive cables used in QSA Global, Inc. (QSA) isotope radiography systems.

QSA has updated their product operating and maintenance manuals to identify the maintenance frequencies, detailed maintenance instructions, and the recommended cleaning solvent and lubricants for all QSA remote control drive cables. Refer to the specific product manuals for these instructions.

Recommended cleaning solvent:

Clean mineral spirits is the only remote control drive cable cleaning and degreasing solvent currently recommended by QSA. The user must follow the mineral spirits manufacturer's safety precautions to ensure safe use, handling, storage and disposal of this solvent.

Mineral spirits have been used for decades to clean and degrease the remote control drive cables. The drive cable must be completely dry before applying lubrication.

Recommended lubricants:

Mil-spec grease MIL-G-23827B (or C), or MIL-PRF-23827C is the only remote control drive cable lubricant currently recommended by QSA. These greases are available under the brand names of AeroShell 7, AeroShell 33, and Texaco Unitemp.

The Mil-spec greases have a butter-like consistency and when properly applied will migrate to the core of a drive cable to prevent internal corrosion. The grease also provides a protective barrier against moisture and has resistance to chemical changes resulting from high doses of radiation emitted by the radiography sources.

Problem Solvents and lubricants:

The following is a partial list of solvents and lubricants known to be problematic with remote control drive cables and therefore not recommended for use by QSA Global: Acetone, WD-40™ and other penetrating oils, quench oils, water and Black Beauty™.

If additional information is required, please contact a Technical Manager at our Baton Rouge, Louisiana, La Porte, Texas or Burlington, Massachusetts offices.