



PQSC TECH Bulletins are published by the PQSC of Lubrication Systems Company for the purpose of disseminating information within the LSC organization. PQSC TECH Bulletins are used to inform LSC personnel and Agents of issues that effect the operation, application and use of LSC products and services. The information herein has been approved for dissemination within the LSC organization by the PQSC. This information is considered Company Proprietary and is not to be given to a non-LSC party without the written approval of the PQSC Chair Person.

Subject: Converting Oil In LubriMist® Systems to LubriMist® Synthetic Oil (LSO).

This PQSC TECH Bulletin documents procedures for introducing LubriMist® Synthetic Oil (LSO) into existing LubriMist® Oil Mist Systems.

Compatibility with other lubricants:

LubriMist® Synthetic Oil (LSO) is compatible with virtually all mineral oils and other synthetics such as Polyalphaolefin (POA) and other Diester based lubricants. It can be added to oil mist generator reservoirs and bulk oil supplies where these lubricants are being used.

Silicone Oils and Polyalkylene Glycols (PAGs) are not compatible with LSO. Although these oils are rarely found in the industries LSC serves, they should not be mixed with LSO. If they ever are encountered, contact LSC Engineering for instruction.

New LubriMist® Oil Mist Systems:

Charge all reservoirs and bulk oil supplies with LSO at commissioning. Follow all LSC commissioning and startup procedures.

Operating LubriMist® Oil Mist Systems using a compatible lubricant:

Decommission the oil mist generator and bulk oil supply.

The oil mist generator reservoir should be drained of existing lubricant and thoroughly cleaned. Inspect and clean the oil suction screen. New reservoir clean-out gaskets should be used when installing the reservoir cleanout plates.

Where systems utilize a bulk oil supply reservoir, such as the LubriMist® IVT or systems with separate bulk reservoirs (BST, DT or DXT) drain the reservoir of all existing lubricant. Since the replaced lubricant is fully compatible with LSO, there is not need to flush the reservoir interior.

Install new oil filter elements where used.



Re-commission the oil mist generator and bulk oil supply per the equipment operating instruction manual.

After startup calibrate the oil mist system to maintain proper the recommended oil/air ratio.

Special notes:

Prior to doing work, ensure that you are aware of the customers HAZMAT procedures for managing oil spills. If a spill occurs follow all plant procedures and guidelines for lubrication oil.

Always follow the customer's procedures for disposal of all drained lubricants and empty oil drums.

Material Safety Data Sheets for LubriMist® Synthetic Oil are available at www.lsc.com or may be obtained by contacting Lubrications Systems Company, Houston Texas.

Charlie Ehlert
Dir. Quality Control and New Product Development
PQSC Chairman