255 Avenue Labrosee
Pointe-Claire, Quebec
H9R 1A3, Canada
1-800-567-5823
www.thermal-lube.com

XL-7333

HALOCARBON OIL

XL-7333 is a non-flammable, non-corrosive, odourless, low toxicity oil that is specifically formulated for highly critical applications where any oxidizing materials present may result in catastrophic chemical or explosive reactions.

XL-7333 is formulated from saturated **hydrogen-free chlorofluorocarbons**, which are chemically inert, non-flammable, have inherently high thermal stability, excellent lubricity, high dielectric strength, high density, and non-polar characteristics.

CHEMICAL COMPATIBILITY:

XL-7333 halocarbon oil is inert toward practically all compounds and solutions **except** to chemicals that are prone to attack silica (hydrogen fluoride, etc).

XL-7333 is compatible with the following common chemicals, and many others not listed below or not as widely used:

Aluminum Chloride	Hydroiodic Acid
Ammonium Nitrate	Muriatic Acid
Ammonium Perchlorate	Nitrogen Oxides (all)
Antimony Trichloride	Nitrogen Trifluoride
Boron Trichloride	Oleum
Boron Trifluoride	Oxygen (liquid & gases)
Bromine	Ozone
Bromine Trifluoride (gas)	Phosphorous Oxychloride
Calcium Hypochlorite	Potassium Perchlorate
Chlorinated Cyanurates	Potassium Persulfate
Chlorine	Silane
Chlorine Dioxide	Silicon Tetrachloride
Chlorine Trifluoride (gas)	Sodium Chlorate
Chlorosilanes	Sodium Hydroxide (all %)
Chlorosulfonic Acid	Sodium Hypochlorite
Chromic Acid	Sulfur Hexafluoride
Chromyl Nitrate	Sulfur Trioxide
Ethylene Oxide	Sulfuric Acid
Fluorine (gas)	Thionyl Chloride
Fuming Nitric Acid	Titanium Tetrachloride

Hydrogen Peroxide	Uranium Hexafluoride
Hydrogen Sulfide	

XL-7333 is **NOT recommended** in areas where contact may occur with sodium- or potassium-based metals, amines, liquid fluorine, or liquid chlorine trifluoride. They should also not be used with aluminum and magnesium (and alloys of these metals) under conditions of **large shear forces** such as those found in threaded connections.

XL-7333 will not contribute fuel in fire prone applications.

Chemical compatibility should be tested in the field to determine final usability of the lubricant.

THERMAL STABILITY:

XL-7333 is stable at operating temperatures less than 204°C/400°F and intermittently to 260°C/500°F. Higher temperatures will accelerate the decomposition of the rust inhibitors and lubricant base stocks.

MATERIAL COMPATIBILITY:

XL-7333 is compatible with the following seals, rings, and gaskets:	
Ethylene Propylene Rubber	Polyamide
Polyvinyl Alcohol	Polycarbonates
Buna N	Fluorosilicone
Neoprene	Teflon
Chlorinated polyethylene	Cured Epoxies
Urethanes	PNF
Viton, Fluorel	EDPM

XL-7333 is NOT compatible with:	
Buna S	Natural Rubber
Silicone Rubbers	PVC
Polymers or copolymers of chlorotrifluoroethylene.	

XL-7333 is non-corrosive towards metals up to about 177ºC (with the exception of copper and some of its alloys) which will discolor over 50ºC. Prior testing should be done on all metals above these temperatures.