This Month's Meeting, September 18, 2012
“The Hamilton Scottish Rite”
4 Queen St. South
Hamilton, Ontario
L8P 3R3
905-522-1622
Cost: $35 member, $40 non member
$25 student
If Attending Please RSVP Chris Webb By Email:
cwebb@hydrafab.com

Come Early to get a chance to “Pop” a balloon to win a prize!

This Month’s Subject:

“Application of Fluids in High Pressure Hydraulic Systems”

When it comes to hydraulic fluids, the operating practices of yesterday are long gone. Steady and dependable, hydraulic fluid technology remained somewhat stagnant for decades. Today, the pressure is on hydraulic systems. Hydraulic systems are expected to deliver optimum performance while operating at increasingly higher pressures, temperatures, and tougher conditions.

When selecting hydraulic fluid it’s important to consider viscosity, compressibility, wear resistance, oxidation stability, thermal stability, filterability, rust & corrosion protection, foam resistance, demulsibility, hydrolytic stability, and seal compatibility. On the other side of the fence are the many components and system designs available to us. Pumps, valves, actuators and other components are being built from newer alloys with better wear characteristics. Finite element analysis and multi-axis CNC machining are also allowing parts to be made to tighter tolerances that require cleaner and cooler fluids.

This Month’s Speaker: Attilio Treglia, P. Eng

Attilio is the Chief Engineer at Lynch Fluid Controls and has been a pivotal member of the Lynch Team for the past 20 years. Attilio holds an Engineering Degree from the University of Toronto. His 30 years of hydraulic design & real-world application experience, has resulted in a wealth of valuable knowledge in how to apply, and more importantly how not to apply, fluids in high pressure hydraulic systems.
The Society of Tribologists and Lubrication Engineers Hamilton, Ontario Section is putting on a Trilogy of Education Day Seminars dealing with troubleshooting of lubrication systems and failure analysis of machine components for the next three years. The themes and presentation topics for the seminars for the next three years are:

November 1, 2012

**“Failures of Mechanical Drive Components”**
Roller Bearings, Oil Film Bearings, Gearing, Drive Chain Drives.
(See Attached “2012 Education Day” document for further details)

November 2013

**“Troubleshooting Lubrication Systems”**
Circulating Oil Systems, Oil Mist, Air-oil, Grease Systems including single line, dual line, single line progressive, single pin

November 2014

**“Failures of Fluids’ Systems Components”**
Lip Seal, O-ring and Packing failures, Mechanical Seal Failures, Hose and Tubing Failures, Pump, Compressor, and Turbine Troubleshooting.

The presentation topics for each of the themes will be overviews that millwrights, mechanics apprentices and students, engineers and technologists, sales personnel can use as reference material for their jobs in the future. Brochures for each of the seminars with dates, cost and location will be coming out in the next few months.