PRECAUTIONS WHEN MAINTANING HASKEL EQUIPMENT THAT HANDLING OXYGEN

Oxygen enriched systems possess a risk of fire and explosion since ignition and combustion hazards are present in all oxygen systems, and oxygen related fire incidents have occurred in many industries. Because ignition and combustion hazards are inherently present in most oxygen systems, a proper guidance for using Haskel oxygen service products is crucial to avoiding accidents and ensuring the safety of personnel and equipment.

Causes of Fires in Oxygen

Kindling Chain, Ignition Mechanisms, Mechanical Impact, Particle Impact, Friction, Pneumatic Impact or Compression Heating

Suggested Maintenance*

Performance Interval	**Maintenance Action**	
Before/After each use.	a.	Perform overall visual check of system.
	b.	Drain and clean the air filter bowl.
	c.	Clean oxygen cylinder connections, cap connections
Every 20,000 cycles. (Or 3-6 months)	a.	Inspect and re-lubricate air cycling valve o-rings in air drive section. (Replace if necessary)
	b.	Check Booster for oxygen leaking from vents, external leakage, and overall performance.
	c.	Check tie rod bolts, relief valve and air pilot switch, hex nuts for loosing. Re-torque if needed.
Every 6 months.	a.	Test and calibrate all pressure gauges.
	b.	Replace oxygen and air filters.
Every 12 Months	a.	Inspect piping at full system pressure.
	b.	Test relief valve, reset as needed
Every 500 - 1000 hours of continuous use, or every 18 Months.	a.	Reseal booster – gas section, air drive section as needed

Note: When performing maintenance on an Oxygen gas booster and/or the Oxygen system always make certain the parts are cleaned to an O2 clean specification equivalent to MIL-STD-1330 and attach a new tag that indicates when the unit was last cleaned.

Links to the detail and our cleaning specification.