



MACHINE SYSTEM CHECKUP

- **CHECK CONCENTRATION** -lower than recommended levels can result in corrosion
- **CHECK FLUID LEVEL IN SUMP** -low levels can increase foam
- **CHECK SUMP FLOW** -impingement can result in excess foam
- **MONITOR PRESSURE GAUGES** -fluctuations can indicate cavitation of pump
- **REMOVE TRAMP OIL** -excess machine oil can increase bio growth
- **TEST FOR BIOLOGICAL GROWTH** -high levels can build up and clog lines
- **ADDRESS ODORS** -some odors can be very offensive to worker satisfaction
- **ENSURE UNIFORMITY IN FLUID** -fluids can split if not maintained which will negatively affect performance
- **EXAMINE CHIPS FOR LENGTH & COLOR** -chip color and break can indicate improper lubrication
- **EXAMINE CHIP BINS FOR FLUID LEVELS** -optimal surface tension of fluid means very little carry off of fluid and less waste
- **INSPECT MACHINE SURFACES & TOOLING FOR RESIDUE** -built up residue on machines can cause tools/parts to stick
- **ENSURE NO CAVITATION OF PUMP IS OCCURRING** -air in the pump can ruin the inner workings
- **WIPE DOWN MACHINING SURFACES** -cleaning surfaces regularly can reduce further problems
- **CHECK MACHINE OIL LUBRICANT LEVELS** -lack of proper lubrication can cause chatter or unnecessary vibration
- **CHECK COOLANT NOZZLE DIRECTION** -proper alignment of nozzles to point of cut will affect the overall performance of the fluid
- **LOOK AT STORAGE CONDITIONS OF FLUID CONCENTRATE** -review storage of containers: sealed, contained indoors if possible, and properly labelled. Recommend product magnets
- **REVIEW WATER SOURCE** -ensure proper water source is nearby and has lock out/tag out options.
- **EXAMINE FLOOR & SURROUNDING AREAS FOR HAZARDS** -address any fluid pooling on floors, electrical cords, general clutter