HEAT TRANSFER & FLUID ENHANCEMENT NOTES

SIO MIXER AND SNIPER NOZZLE





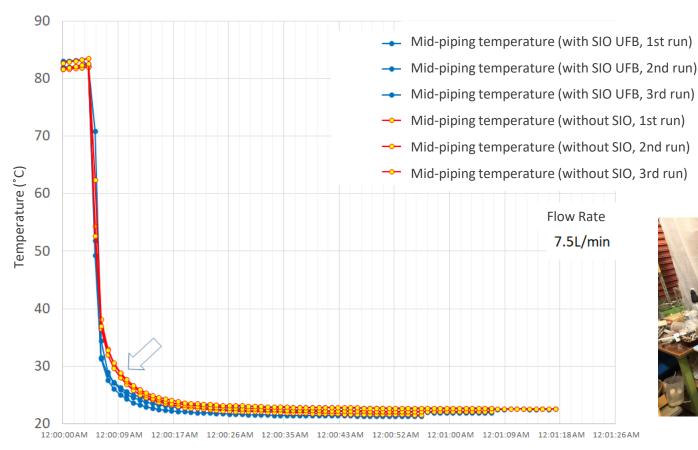




SIO Heat Transfer Lab Test Data - Cooling System

SIO Heat Transfer Test by Tokyo Metropolitan University

- Temperature reduced approx. 20% faster (enhanced heat transfer) when using SIO UFB in cooling system
- Blue lines show with SIO mixer UFB, measured three times
- Red lines show without SIO mixer, measured three times

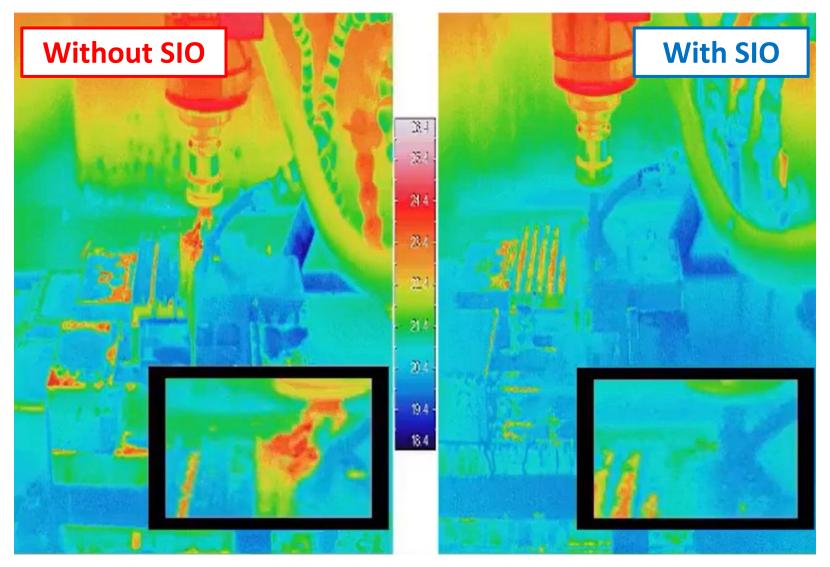








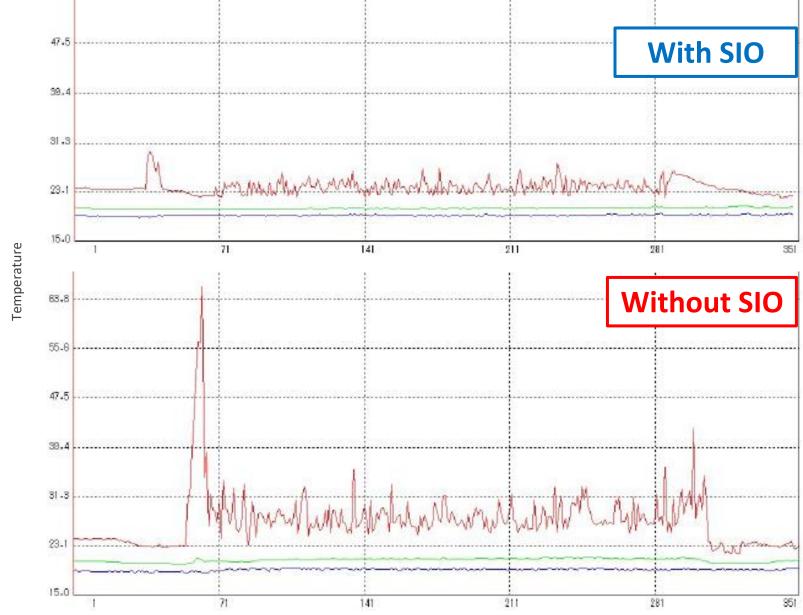
SIO Heat Transfer Practical: Drilling Process - Thermal Camera



• Improved cooling performance of metalworking fluid after passing through SIO

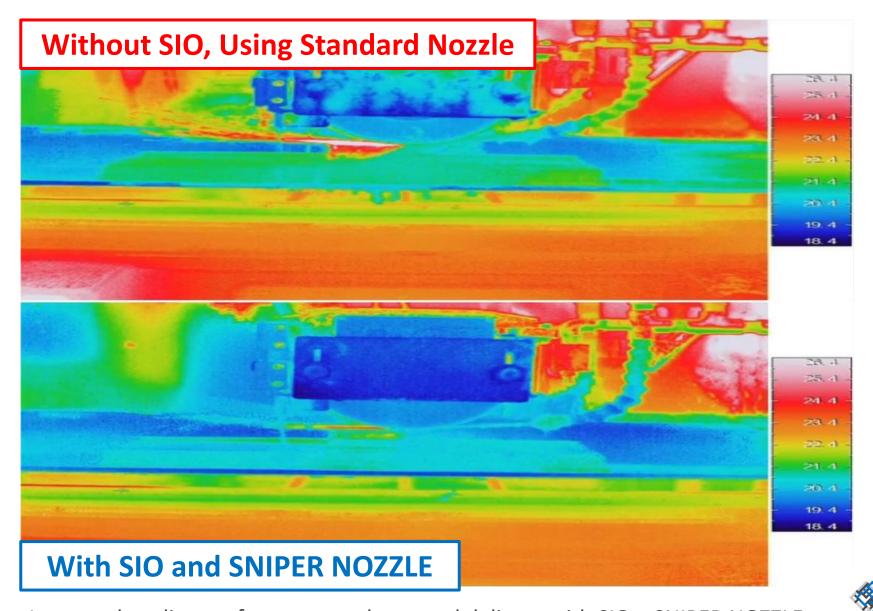


SIO Heat Transfer Practical: Drilling Process - Thermal Graph





SIO Heat Transfer Practical: Grinding Process - Thermal Camera



SIO Heat Transfer Practical: Grinding Process - Thermal Graph

