

## Topic : Environment Friendly And Smooth Lubricity For Green Sand Mold Foundry

980Oils Products	GreenFlow 87
Applications	Release agent for mold making Green Sand mold process
Customer /Location	KK Foundry, Bangkok Thailand
Previous Lube/Fluids	Water base release agent
Materials	Iron casting (FC,FCD)
Process/Machines	Green sand mold process /Automatic DISA Machine
Customer Requirements	Quality Improvement and cost reduction

### Issue/Problems:

- Low mold release ability effect to sand broken.
- Block at nozzle spray
- Found rust on pattern after use
- High odor, effect to skin

### Customer Requirements

- Product ready to use
- Good lubricity and no effect with casting product
- Environment friendly (Less odor)
- Rust protection after use
- Competitive cost with water base



### Solutions:

We offer **Greenflow 87** is excellent lubrication properties easy mold release ability , solving nozzle block problem and environment friendly

### Benefits:

- The product is ready to use
- High releasability and Good lubricity
- Very good lubricity

- ❑ Easy to applied with auto spray or manual spray (no block with small nozzle spray)
- ❑ Excellent mold release giving better mold surface and no effect for gas defect
- ❑ Better casting surface and reduce casting defect (Gas, surface defect)
- ❑ Increase lifetime of pattern
- ❑ Less odor and human friendly



Good mold release ability no sand broken Improve productivity



Improve nozzle block problem



No rust on patten after use



Human friendly

## Summary:

- Improve productivity by reduce casting defect
- Environment friendly and friendly to worker
- Increase lifetime of pattern
- Reduce spray block
- Use material with no SOC
- Use material from natural (Extract palm oil product)