

LAMSTAMP 3488

LAMSTAMP 3488 (formerly **LS-P-388**) is a synthetic metalworking lubricant designed to meet the special and demanding requirements of the lamination stamping industry. It includes a new corrosion inhibitor, which was developed to meet the more demanding requirements for water dilutable die lubricants used for lamination stamping. The performance of this new additive allows for a maximum blend of boundary film and extreme pressure additives. **LAMSTAMP 3488** has provided superior tool life over competitive products in field trials as well as improved *Twist Compression* test results in our laboratory. **LAMSTAMP 3488** represents technological advancement in synthetic lubricants for lamination stamping processes.

USAGE

LAMSTAMP 3488 is formulated as a die lubricant for cold rolled motor lamination steels, grain oriented iron-silicon alloys, and silicon based alloy steels used for electrical laminations. It is also suitable for galvanized and painted steels. **LAMSTAMP 3488** is typically used in water dilutions at 6 to 10% concentrations. It forms stable solutions in waters of varying degrees of hardness and resists breakdown and inhibits the formation of foul odors caused by microbial attack. **LAMSTAMP 3488** can be applied by Jet-Set® (airless spray), roll coater, drip, or recirculating flood methods.

PHYSICAL CHARACTERISTICS

Density	1.04 g/ml 8.7 lbs/gal
Appearance	Clear Gold Liquid
Odor	Mild
pH at 9:1 (10%)	Typically 9.1
Refractive Index (freshly diluted)	8.9 @ 6:1 6.3 @ 9:1 4.8 @ 12:1 3.9 @ 15:1 3.5 @ 17:1 3.1 @ 19:1
Refractive Index Factor	0.625 x Volume % = Refractive Index

BENEFITS

- **Does NOT Contain Mineral Oil, Chlorine, or Sulfur**
- **Burns off Clean in Annealing Furnaces**
- **Contains no VOC's**
- **Provides Excellent In-Process Corrosion Protection**
- **Provides Superior Tool Life because of High Lubricity**
- **Delivers Excellent Cooling, Flushing, and Wetting Properties**
- **Consistently Earns Outstanding Operator Acceptance**

TECHNICAL SUPPORT

TOWER wants to assist you in evaluation and selection of suitable products. We urge you to take advantage of this service. This information sheet and **TOWER's** assistance, however, are not a substitute for your own testing and evaluation. 06045