

# 607 HTS-220

## LUBRICATING FLUID

### Description

Chesterton® 607 HTS-220 Lubricating Fluid is a high quality synthetic lubricant designed to provide lubrication at a wide temperature range where petroleum lubricants are unable to function. 607 HTS-220 Lubricating Fluid will allow the equipment to run cooler and more efficiently due to the low evaporation rate.

Chesterton 607 HTS-220 Lubricating Fluid is specialized for lubrication of equipment operating at elevated temperatures such as oven chains, motors, anti-friction bearings, paint curing and drying ovens, low loading gear boxes, ceramic ovens, and other high temperature equipment as well as low temperature applications in refrigerated or winter conditions.

### Composition

Chesterton 607 HTS-220 Lubricating Fluid has a proprietary additive package to enhance its performance and give properties that far exceed those of most petroleum based products. Extreme pressure additives give superior wear characteristics and minimize equipment maintenance and downtime. Rust and oxidation inhibitors give added protection against corrosion.

Lubricity additives provide for maximum lubrication and minimum friction. With a low evaporation rate, the product will lubricate longer than petroleum based lubricants when used in hot applications.

### Features

- Wide temperature range
- Low evaporation rate
- 100% synthetic
- Minimal residue
- Non-carbonizing
- Non-oxidizing
- High flash point

### Typical Physical Properties

|   |                                    |
|---|------------------------------------|
| Appearance                                | Yellow/Amber                       |
| Odor                                      | Slight Odor                        |
| ISO VG (ASTM D 445)                       | 220                                |
| Specific Gravity                          | 0.97                               |
| Viscosity (ASTM D 445)                    |                                    |
| @ 40°C (104°F) cSt (mm <sup>2</sup> /s)   | 216 cSt                            |
| @ 100°C (212°F) cSt (mm <sup>2</sup> /s)  | 17 cSt                             |
| Viscosity Index (ASTM D 2270, ISO 2909)   | 81                                 |
| Four Ball Wear, Scar Diameter             |                                    |
| 75°C, 1200 RPM 1 hr (ASTM D 4172)         |                                    |
| 40 kg                                     | 0.39 mm                            |
| Temperature Range                         | -25°C to 255°C<br>(-13°F to 491°F) |
| Pour Point (ASTM D 97, ISO 3016)          | -30°C (-22°F)                      |
| Flash Point, C.O.C. (ASTM D 92, ISO 2592) | 275°C (527°F)                      |
| Fire Point, Cleveland Open Cup            | 307°C (585°F)                      |
| Evaporation Loss,                         |                                    |
| 22 Hours @ 204°C (400°F) (ASTM D 2595)    | 4.62%                              |

### Applications

Equipment operating in elevated temperatures or refrigerated areas. Increase the efficiency of anti-friction bearings, impregnated bearings, textile tenter frames, oven hinges and chain conveyors. Lubricates at sub-zero temperatures where greases congeal. Perfect for lubricating roller bar chains, steel belts, pressure chains, etc for the continuous press production of fiber, particle boards and laminates.

### Directions

Automatic or manual lubrication as appropriate. Reapply as needed.

### Safety

Before using this product, please refer to the Safety Data Sheet (SDS) or appropriate safety sheet for your area.

Technical Data reflects results of laboratory tests and is intended to indicate general characteristics only. A.W.CHESTERTON COMPANY DISCLAIMS ALL WARRANTIES EXPRESSED, OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR USE. LIABILITY, IF ANY, IS LIMITED TO PRODUCT REPLACEMENT ONLY.



860 Salem Street  
Groveland, Massachusetts 01834 USA  
Tel: (781) 438-7000 • FAX: (978) 469-6528  
[www.chesterton.com](http://www.chesterton.com)

© 2016 A.W. Chesterton Company.  
® Registered trademark owned and licensed by  
A.W. Chesterton Company in USA and other countries.

DISTRIBUTED BY:

FORM NO. 071457

REV. 4/16