

# Hi-Tech HT-650F

## HIGH TEMPERATURE CHAIN OIL



The first requirement of any High Temperature chain oil is no carbon and *super cleanness of chain*. **Hi-Tech HT-650F** works well for this requirement. Chain working mechanism is metal to metal rubbing and **HT-650F** reduces the force of rubbing and gives benefit in ampere load (Electric consumption).

### Application:-

- Tenter Frame Chains
- Paint and Ceramic Curing Ovens.
- Drying Oven Chains.
- Drying & Finishing Chains.
- Plywood Drying Equipment,
- And Many More.

Packing Availability

**5 Ltr.**

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**20 Ltr.**  
(5Ltr. x 4)

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**210 Ltr.**

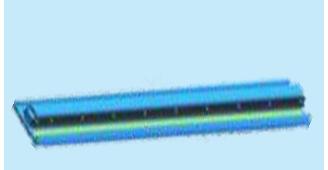
## ADVANTAGES OF HT-650F

### Main Chain



**High Temp. Oxidation & Thermal Stability** : Some non standard chain lubricants have a tendency to produce carbonaceous deposit and residues at elevated temperatures due to high oxidation these residues can block clearances, jam chain, rollers and make rapid wear to occur. because of our advance 100% Synthetic base fluids *closed molecular structure* the process of oxidation is greatly reduces. Thus carbon varnish and sludge deposits formed due to high temperature operation are negligible and user of our HT-650F will get a great advantage.

### Middle Rail



### Bottom



**Low Volatility** : The low volatility technology used in our advance high temperature chain oil results in *lower top-up* requirements.

### Chain Side View



### Pin



**High Viscosity Index** : This results in a minimum change in viscosity with temperature. the proper viscosity for proper chain lubricant is provided regardless of temperature and oil film withstand extreme pressure.

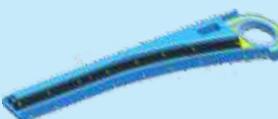
### Top Lube Chain



**Excellent Lubricity** : The technology used in our high temperature chain lube provides the lubricant with outstanding load carrying capabilities, films strength and *anti-wear properties*, this results in enhanced chain life.

**Reduced Fire Possibilities** : Because of low volatility & low carbon forming tendencies and their relatively high flash, fire and auto ignition points, the plant using **HT-650F** is more safer in fire hazards.

### Entry Rail



**Energy Efficiency** : *Smokeless high temp chain lube*, low volatility characteristics, low carbon forming tendencies and advance friction modifier results in reduction of drag and friction on the chain mechanisms. This results in a significant reduction in starting loads and peak power demand, thus providing a realistic power cost saving.

### Wear Test



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### HOW IT WORKS

#### Lubrication Effects



Friction means "resistance to relative motion between two bodies in contact"

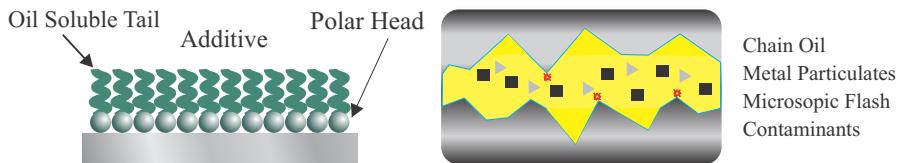
Our technologies mechanism of operation is based upon advance method of tribology that improves lubricity and load carrying capacity. this in turn, improves surface characteristics while simultaneously creating a stable chemical advantage boundary film on the contacting metal surfaces of equipment of which it is added the process of **advance boundary films formation** is achieved through a unique combination of long chain additives that are highly stable at high temperature.

Advance Friction Modifiers are Polar Molecules having high affinity for metal surfaces and processing long alkyl chains.

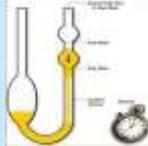
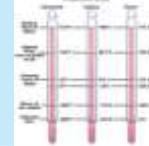
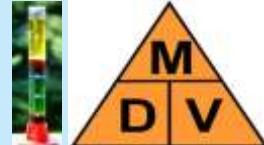
Develops lower coefficient of friction compare to other high temp. chain Oils

Develop Advance Boundary Films

Reduces internal Heat → by that you will get long term Benefit



### PHYSICAL PROPERTIES

Composition	Kinematic Viscosity @ 40°C	Max. Bulk Chamber Temp.
 <p>Mixture of synthetic Esters (100%)</p>	 <p>at 40°C - 220 cst at 100°C - 18 cst</p>	 <p>300°C 572 °F</p>
Metal Compitibility (Corrosion)	Moisture content	Flash point
 <p>Cast Iron - Pass Bronze - Pass Steel - Pass</p>	 <p>&lt;90 ppm</p>	 <p>(ASTM D-92) 287°C 548 °F</p>
Pour Point	Total Acid Numbers	Density
 <p>-10°C 14 °F</p>	 <p>0.01 mg KOH/g</p>	 <p>0.96 g/ml</p>

For System design, maintenance and operation guide line

please contact **HI-TECH SOLUTION'S** technical team at, **Mob:** 9214048652, **Email:** en@hitechsolution.co.in

**Quality At Better Price**