



## **DECATHLON® HTC**

### **SYNTHETIC HIGH TEMPERATURE CHAIN OILS**

**Decathlon® HTC oils have proven again and again that they can meet and exceed the performance requirements of the most demanding high temperature applications. In the area of high temperature lubrication, Decathlon HTC oils have given that “edge” in comparison to both well-known and exotic brands of synthetic oil.**

Decathlon® HTC oils are recommended when deposits such as carbon and varnish are not tolerable. The thin film evaporation characteristics of HTC oils are excellent. However, an even more crucial issue is residue. Carbon deposits and varnish lead to high amperage draw and wear. Decathlon HTC oils will not contribute to these deposits when the amount applied is appropriate.

HTC oils are a blend of complex synthetic base fluids and a revolutionary combination of synergistic ashless additives.



**Halal Certified - 143 ISO 150**

## SYNTHETIC HIGH TEMPERATURE CHAIN OILS



**Decathlon® HTC oils are formulated to protect against a corrosive atmosphere and resist oxidation at high temperatures. These oils can support fluid film lubrication on chain pins and bearings at high temperatures.**

### APPLICATIONS:

- Recommended for use up to 450°F (230°C) and intermittent service up to 550°F (285°C)
- Designed for the lubrication of chains and bearings where protection from wear at high temperatures is needed. An excellent example is the manufacture of latex and synthetic gloves
- Highly suitable for use in glass bottle forming operations for lubrication of the glass machine itself, also conveyor chains, and gearboxes operating at both normal and high temperatures
- For manufacturing light bulbs, tender frame chains and continuous fiberboard presses

### BENEFITS:

- **OXIDATION RESISTANCE** - low formation of carbon, varnish, and other residues. No abrasive deposits are formed when used within the recommended temperature range (see below) and in the appropriate amount
- **ANTIWEAR** - chain wear is controlled by excellent fluid film and antiwear properties of a temperature-stable additive chemistry
- **HALAL CERTIFIED** - 143 ISO 150

### TYPICAL CHARACTERISTICS

ASTM #		HTC 143 ISO 150	HTC 172 ISO 150	HTC 930	HTC 940
	<b>Oil Type</b>	Synthetic	Synthetic	Synthetic	Synthetic
<b>D-445</b>	<b>Kinematic Viscosity</b>				
	cSt @ 40°C	157	161	200	32
	cSt @ 100°C	14	17	16	6
<b>D-2270</b>	<b>Viscosity Index</b>	75	114	76	115
<b>Gardner Method</b>	<b>Density, lb/gal @ 60°F (15.5°C)</b>	7.99	7.15	8.02	7.64
	<b>Specific Gravity, g/cc @ 60°F (15.5°C)</b>	0.959	0.858	0.963	0.917
<b>D-92</b>	<b>Flash Point, °F (°C) Cleveland Open Cup</b>	520 (271)	505 (263)	520 (271)	435 (224)
<b>D-92</b>	<b>Fire Point, °F (°C) Cleveland Open Cup</b>	590 (310)	Not Reported	590 (310)	495 (257)
<b>D-4172</b>	<b>Four Ball Wear, Scar Width, mm @ 40 kg</b>	0.30	0.35	0.30	0.40
<b>D-665</b>	<b>Rust Test, Distilled Water</b>	Pass	Not Reported	Pass	Pass
<b>D-130</b>	<b>Copper Strip Corrosion</b> 212°F (100°C) @ 3 hr	1B	1B	1B	1B
<b>D-972 (Modified)</b>	<b>Thin Film Evaporation, % Loss</b> @ 428°F (220°C) @ 6.5 hrs r	2	13.23	2	21
<b>D-189</b>	<b>Conradson Carbon Residue, % Carbon</b>	0.09	0.15	0.02	0.02

### Packaging:

Drums, Pails

[whitmores.com](http://whitmores.com)

