



# **TECHNICAL DATA**

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## **#190E PENETRO® GREEN H-1**

Penetro Green H-1 is a high performance, extreme pressure, anti-wear food grade penetrating oil that penetrates and lubricates all types of moving parts and chain applications that require a USDA H-1 type oil where incidental contact with food may occur.

Penetro Green H-1 is blended from the finest quality, highly refined and purified non-toxic, non-staining technical white, U.S.P. grade oils and synthetic isoparaffinic hydrocarbons available. Combined with these food grade white oils and isoparaffinic hydrocarbons is a very specialized non-toxic food grade approved friction releasing additive package. These friction releasing additives deposit a long lasting solid lubricant film that not only greatly reduces friction and wear, but also when used on chains provides extreme pressure an anti-wear protection that can triple the life of the chains and sprockets.

Penetro Green H-1 once applied to the surface of the mechanism will clean and provide that mechanism with a protective shield that rejects abrasive particles such as dirt and salt. This protective shield will also protect against moisture and inhibit the formation of rust and other corrosive buildup that damages working mechanisms.

Penetro Green H-1 can be used to lubricate the following mechanisms on food processing plants, where incidental contact with food may occur:

- Valves
- Linkages
- Conveyors
- Chains
- Trolley Hooks
- Rollers
- Cutting Tools

### Directions For Use

1. Shake well before use.
2. When applying to heavily corroded parts, first scrape or wire brush. Allow a short time to penetrate.
3. Wipe away accumulated grit and grime that may appear as parts operate.

### Typical Properties On Reverse Side

TYPICAL PROPERTIES

Specific Gravity	.8661
ISO Grade	15
Viscosity, Sus @ 40°C (ASTM D-445)	75.4-81.4
Viscosity, Cst @ 40° C (ASTM D-445)	14.5-16
Flash Point °F/°C (ASTM D-92)	239°/115°
Rust Test (ASTM D-665)	
Procedure A (Distilled Water)	Pass
Procedure B (Salt Water)	Pass
Four Ball Wear Test (ASTM D-4172)	
(40kg, 1200 RPM, 1hr @ 167°F)	
Scar Diameter, mm	0.84
Four Ball EP Test (ASTM D-2783)	
Weld Point, kg	315
Load Wear Index, Kg	56.77
Timken EP Test (ASTM D-2782)	
Ok Load, lb	65
Fail Load, lb	70
Dielectric Strength (ASTM D-877)	35 KV

Packaging: #190E Penetro<sup>®</sup> Green H-1 is available in cases of 12-14 1/2 oz. pump spray bottles.