

PENETRATING OIL 1



LUBRICATION



TOTAL

Penetrating Lubricant and Cleaner.

APPLICATIONS

- **PENETRATING OIL 1** is a high quality, penetrating lubricant and rust buster. It is primarily recommended for disassembling rusted bolts and nuts, removing bearings, couplings, pulleys, gears, etc. which have become corroded on their shafts.
- **PENETRATING OIL 1** displaces moisture and penetrates quickly. It frees rusted parts and protects the threads while being disengaged.

SPECIFICATIONS

- Meets government specification VV-P-216.

ADVANTAGES

- Displaces moisture.
- Penetrates quickly.
- Excellent rust buster.
- Pleasant odor.
- Safe for all metal surfaces.
- Low surface tension.
- Outperforms competitive products.

TYPICAL CHARACTERISTICS	METHODS	PENETRATING OIL 1
Appearance	Visual	Clear Amber Liquid
Viscosity at 100°F, SUS	ASTM D 445	29.8
Flash Point, COC, °F	ASTM D 92	100 min.
Density @ 60°F, lbs./gal.	ASTM D 1298	6.74
Specific Gravity @ 60°/60°F	ASTM D 1298	0.808
Surface Tension, dynes/cm ²		26.4
Interfacial Tension, dynes/cm ²		23.4

TEST: Competitor's challenge--This is called the chase test. Place a drop of **PENETRATING OIL 1** on a clean metallic surface. A short distance away, place a drop of competitive penetrating oil. Watch how quickly the **PENETRATING OIL 1** pushes the other oil off the surface, indicating the wetting and displacing properties of the **PENETRATING OIL 1**.

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