

Lubricants, Penetrating



1. Scope

This standard covers the requirements for penetrating lubricants.

This standard applies to the following Seattle City Light (SCL) stock numbers:

Stock No.	Description
726536	LPS Laboratories, Petroleum-Based
723031	Polywater, Petroleum-Based
723032	Liquid Wrench, Petroleum-Based
014696	Renewable Lubricants, BPL (Bio-Penetrating Renewable Lubricant), Soy-Based
726572	Tri-Flow Synthetic Grease, Food Grade
723034	La-Co Zoom Spout

2. Application

Penetrating lubricants are suitable for a variety of electrical and industrial uses. They lubricate, clean, loosen rust and scale, penetrate frozen parts, and prevent corrosion.

Do not use Polywater (Stock No. 723031) on rubber and plastic parts, gaskets, seals, and O-rings. It could affect some rubber compounds and cause cracks.

3. Requirements

Penetrating lubricants shall meet the requirements shown in Table 3.

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Table 3. Penetrating Lubricant Requirements

	726536	723031	723032	014696	726572	723034
Conductivity	Non-conductive	Non-conductive	Non-conductive	Non-conductive	Info not available	Info not available
Dielectric strength	32 kV	13 kV	Information not available	47 kV	Info not available	Info not available
Flashpoint	174°F/79°C	100°F/74°C	200°F/93°C	295°F/146°C	154°F/68°C	302°F/150°C
Flammability	Category 1	Category 1	Category 2	Category 1	Category 1	Category 1

4. Packaging

Aerosol cans shall be packaged to prevent damage during shipping, handling, and storage.

Each standard package shall be legibly marked with the following information:

- Manufacturer identification
- Product description
- SCL stock number
- Quantity

Each shipping container shall be legibly marked with the following information:

- SCL purchase order number

5. Issuance

Stock Unit: CN

6. Approved Manufacturers

Stock No.	Aerosol can size (oz)	Approved Manufacturers	Part No.
726536	11	LPS Laboratories	00116
723031	12	Polywater	P7-12
723032	11	Liquid Wrench	L112
014696	11	Renewable Lubricants	87002
726572	12	Tri-Flow Industrial Group	20027
723034	4	La-Co Industries	79704

7. Sources

Itwprobrands.com

Liquidwrench.com

Itwprobrands.com

Markal.com

Polywater.com

Renewablelube.com

Shetab, Muneer; SCL Standards Engineer, originator, and subject matter expert for 7520.25

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Triflowlubricants.com