

The Ultimate Protection Against Metal-To-Metal Wear

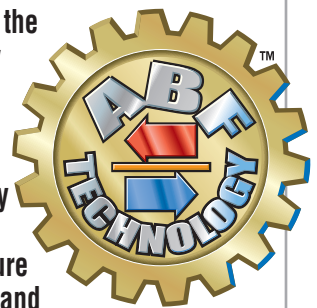


TOOL SHIELD™



Setting The Standards In Anti-Wear & Extreme Pressure Through ABF Technology

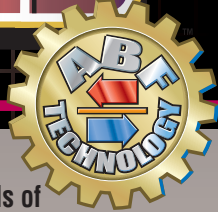
TOOL SHIELD™ is the ultimate protection for the moving metal parts for automotive and industrial tools. Utilizing the most Advanced Boundary Film (ABF) Technology, it protects moving metal parts from heat, friction and wear due to boundary conditions of frictional abrasion, extreme pressure torque, air line moisture and internal dirt. It works in all piston and rotary-type air tools, stationary and hand-held power tools and many hand tools. Increased power and performance and greatly reduced wear while removing dirt from tool are the results. TOOL SHIELD™ contains ABF (Advanced Boundary Film) for increased lubricity and boundary film lubrication.



ATTRIBUTES

- Improves Tool Power & Performance
- Protects Moving Metal Parts
- Repels Air Line Moisture
- Dramatically Reduces Metal-To-Metal Wear
- Stops & Inhibits Rust
- Cleans & Removes Internal Dirt
- Extends Tool Life
- Smooths Tool Operation
- Lubricates, Cleans & Protects

TOOL SHIELD™



Steel Shield Technologies' mechanism of operation is based upon advanced methods of Tribology that improve lubricity and load carrying capacity. This, in turn, improves surface characteristics while simultaneously creating a stable chemical Advanced Boundary Film on the contacting metal surfaces of whatever equipment in which it is added. The process of Advanced Boundary Film formation is achieved through a unique combination of long-chain halogenated hydrocarbons and other proprietary additives that are highly stable and non-corrosive to the equipment's metal parts, and pose no threat to the environment or waste oil recovery systems. Steel Shield reacts chemically, under thermal conditions with the contacting metal surfaces, to form a complex surface-attaching film of protection. Steel Shield's characteristics are "electro-negative", which causes it to seek out and affix itself to the metallic surface areas. During this process, surface smoothing is accomplished, resulting in improved spread characteristics of the surfaces themselves. The final state of the opposing metal surfaces increases the fluid film strength even more, resulting in greatly reduced wear while imparting extreme pressure (EP) properties to the opposing metal surfaces. The result is a virtual elimination of frictional wear and significant cooling of the entire lubricated area yielding higher energy savings and reduced metallic debris and acids in the oil. This is extensively proven through elemental oil analysis and Ferrography of the used oil, before and after the use of Steel Shield's Advanced Boundary Film Technology.

MSDS DATA

- Flash Point : 226°C
- Non-Hazardous
- Non-Flammable
- Synthetic Hydrocarbons

PHYSICAL DATA

- Boiling Point : 238°C
- Evaporation Rate : < 0.01
- Specific Gravity : 1.07
- Insoluble In Water
- Vapor Pressure : <1@25°C
- Medium To Dark Amber

RECOMMENDED USES

- Rotary-Type Air Tools
- Piston-Type Air Tools
- Impact Wrenches
- Air Ratchets
- Air Sanders
- Air Drills
- Air Cutting Tools
- Air Grinders
- Air Nailers
- Air Staplers
- Automatic Oilers
- Hand Tools

DIRECTIONS

Use in accordance with tool manufacturer's instructions. Tools may need to be lubricated daily, or several times a day, depending on the frequency and prolonged use of the tool. Contains no volatiles or solvents. Contains synthetic hydrocarbons and advanced chemical additive technology. Non-toxic and environmentally friendly.

ITEM NUMBER	ITEM UPC#	ITEM DESCRIPTION	CASE PACK	CASE DIMENSIONS	CASE CUBE	CASE WEIGHT	TI/HI
TS-1	8-94630-00141-0	Tool Shield Metal Treatment - 1 oz.	24	6.875" w x 4.625" d x 3.875" h	.07	2.5	48/12
TS-4	8-94630-00143-4	Tool Shield Metal Treatment - 4 oz.	12	5.5" w x 7.125" d x 6.5" h	.16	3.8	40/8
TS-16	8-94630-00144-1	Tool Shield Metal Treatment - 16 oz.	12	10.75" w x 8.0" d x 10.75" h	.54	15.0	20/5
TS-128	8-94630-00145-8	Tool Shield Metal Treatment - 1 Gallon	4	9.25" w x 14.5" d x 12.5" h	.97	34.0	12/4
TS-5G	8-94630-00126-7	Tool Shield Metal Treatment - 5 Gallon	1			42	
TS-15G	8-94630-00127-4	Tool Shield Metal Treatment - 15 Gallon	1			125	
TS-55G	8-94630-00128-1	Tool Shield Metal Treatment - 55 Gallon	1			455	

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