

SCHIPHOL AMSTERDAM AIRPORT & METALTEC-1 PROFESSIONAL PRODUCTS

METALTEC-1
METAL CONDITIONER

HIGH-TECH
MILITARY
NANO
TECHNOLOGY



WHAT IS METALTEC-1® PROFESSIONAL LIQUID?

METALTEC-1® PROFESSIONAL LIQUID is a clear golden synthetic liquid resembling an SAE 10-weight oil. When METALTEC-1® PROFESSIONAL LIQUID is added to the primary lubricant of any machine, it will increase operating efficiency, extend equipment life, reduce downtime and cut unscheduled maintenance.

Even though METALTEC-1® PROFESSIONAL LIQUID is added to any fluid, it is not an additive. METALTEC-1® PROFESSIONAL LIQUID contains no viscosity enhancers or other oil augmentation compounds. It does not modify the primary lubricant in any way, instead METALTEC-1® PROFESSIONAL LIQUID is a metal conditioner. METALTEC-1® PROFESSIONAL LIQUID simply uses the circulating fluid as a means to reach the critical hot spots and metallic friction surfaces within the machinery.

When the fluid carries METALTEC-1® PROFESSIONAL LIQUID to these areas, METALTEC-1® PROFESSIONAL LIQUID exits the fluid, leaving the fluid completely unaffected and unchanged.



WHERE IS METALTEC-1® PROFESSIONAL LIQUID USED?

METALTEC-1® PROFESSIONAL LIQUID can be used in all types of machinery. Typical uses include:

- Both two- and four- cycle diesel and gasoline engines of all sizes
- Automotive and industrial transmissions and differentials
- Compressors of all types including refrigeration
- Assembly line speed reduction gears
- Electric motors
- Pumps
- Etc.

It is also an excellent cutting fluid for the most difficult lathe and mill work from:

- Nuclear powered subs to dental drills
- Rock crushers to bicycles
- Air conditioners to sewing machines

METALTEC-1® PROFESSIONAL LIQUID literally works anywhere two pieces of metal rub together.





HOW DOES METALTEC-1® PROFESSIONAL LIQUID WORK?



When METALTEC-1® PROFESSIONAL LIQUID is applied to a metal surface, it chemically reacts with, and is adsorbed by, the metal. The chemical reaction takes place at temperatures between 100°F and 150°F (38°C - 66°C) depending on friction and load conditions. The effect of the chemical reaction is stiffening (not hardening) of the metal surface - approximately **17 stiffer** when the reaction is complete. The increased stiffness dramatically reduces friction and parasitic drag, just as when an underinflated tire is pumped up.

REDUCED FRICTION YIELDS MANY BENEFITS:

- Wear rates are greatly reduced.
- METALTEC-1® PROFESSIONAL LIQUID treated machines last longer.
- Lubricating oil becomes more effective and efficient.
- Piston rings seal better against cylinder walls for better compression and reduced tailpipe emissions.
- Bearings spin more freely.
- Gears mesh more effortlessly.
- METALTEC-1® PROFESSIONAL LIQUID treated machines run cleaner and use less energy to do the same work.
- Less heat is generated in the moving parts.
- METALTEC-1® PROFESSIONAL LIQUID treated machines run cooler. Additionally, the bond between METALTEC-1® PROFESSIONAL LIQUID and metal is remarkably durable.
- METALTEC-1® PROFESSIONAL LIQUID - treated machines are protected and will retain adequate lubrication for extended periods in extreme out-of-parameter temperature variations, or even if the primary lubricant is completely lost.



BENEFITS OF METALTEC-1® PROFESSIONAL LIQUID:

- Reduction of harmful tailpipe emissions in all gasoline, diesel and two cycle engines
- Twenty-four-hour lubrication to all metal surfaces
- Reduced operating temperatures at all metal friction points
- Increased power using the same energy
- Reduced oxidation, thermal decomposition, corrosion and wear
- Greater efficiency in electric motors, alternators and generators
- Less energy required in engine start-ups, regardless of weather conditions
- Does not adversely affect the viscosity of the primary lubricant
- Long lasting - Remains bonded to metal surfaces even after several oil changes
- Protects for extended periods even if primary lubricant is lost, or is contaminated by fuel, anti-freeze or combustion by-products
- Reduces material build-up. Contaminants and wear metals cannot cement themselves to METALTEC-1® PROFESSIONAL LIQUID - protected surfaces.



WHAT'S IN METALTEC-1® PROFESSIONAL LIQUID?

METALTEC-1® PROFESSIONAL LIQUID is a chemically-reacted synthetic-based hydrocarbon derivative. At the start of the manufacturing process, METALTEC-1® PROFESSIONAL LIQUID is composed of a blend of several extreme pressure lubricants, natural anti-corrosion ingredients, extremely stable chlorate esters, anti-wear components, and anti-oxidant compounds. This blend is then introduced into a chemical reactor. When METALTEC-1® PROFESSIONAL LIQUID emerges from our proprietary chemical reaction process, it is no longer a blend. It has been organically bound into a unique, pure, uniform single substance. In its finished form, METALTEC-1® PROFESSIONAL LIQUID is completely stable, so it does not require agitation before use.

Just as important as knowing what's in METALTEC-1® PROFESSIONAL LIQUID is knowing what isn't.



100% ECO FRIENDLY

METALTEC-1® PROFESSIONAL LIQUID does not contain chlorinated paraffin's, PTFE, fluorine, solvents, carrier oils, viscosity enhancers, metals, molybdenum disulphide, zinc, sulphur, graphite powders or other solids. It's also important to realize that METALTEC-1® PROFESSIONAL LIQUID is non-hazardous, non-toxic, and non-combustible. It is so safe that METALTEC-1® PROFESSIONAL LIQUID was even approved environmentally by the U.S. Navy Medical Command for use aboard nuclear-powered submarines.

- METAL CONDITIONER
- HI-TECH ANTI-FRICTION
- AUTOMATIC TRANSMISSION
- MANUAL TRANSMISSION
- GEARBOXES DIFFERENTIALS
- TREATMENT

MOTOR TREATMENT
FOR GASOLINE
MOTORS & DIESEL

250 ml

NASA

★ ★ ★
**ECO
FRIENDLY**
★ ★ ★

NON
PETROLIUM

★ ★ ★
**CHEMICAL
FREE**
★ ★ ★

NON FLAMMABLE

NON EXPLOSIVE

METALTEC-1 IN AIRPORT'S

Metaltec-1 Professional liquid is already been used by worldwide known 500+ brands such as Mercedes Benz, BMW, Porsche, Caterpillar, Seiko and etc...

As for Airports worldwide it is the best saving method for:

- Ground vehicles
- Elevators
- Walking rails
- Heating & Air conditioning
- Maintenance
- And many more...

By using small percentage of Metaltec-1 Professional liquid on services provided, we assure of savings millions of Euros on services and parts.



Metaltec-1 Professional liquid is not an oil neither a petrol additive liquid, it is 100 % Non toxic, Non Petroleum and above all 100% Environmental friendly product that has been created by NASA and manufactures in Czech Republic and used by Aerotech with different brand name on Aerospace industry apart from DELTA air and Star alliance group of planes on their approved parts and services.

Not only cleans the area of use of these fluids, it turns it to premium fluid.

It could be used as an additive or can be used on its own and will be %100 ECO friendly.

- Non Toxic
- Non Petroleum
- Non Hazardous
- -43 °C
- +1 000 °C +

Besides Metaltec-1 professional liquid our other products is as important as our Professional Liquid.



WE PRODUCE IF NOT THE BEST, ONE OF THE BEST GREASE TYPES WITH ITS TEMPERATURE RANGE DIFFER FROM GENERAL USE.

METALTEC GREASE IS MADE OF THE BEST MATERIALS AVAILABLE, ONLY PREMIUM QUALITY POLYMERS, THE BEST HIGH VISCOSITY BASED OILS, ADVANCED ANTI-WEAR AGENTS AND NATURAL COMPLEX INHIBITS.

IF WE USED SOMETHING OTHER THAN THESE QUALITY FINE MATERIALS, OUR GREASE WOULD HAVE BEEN NO LESS THAN ANY OTHER GREASE IN THE WORLD. THAT'S WHY OUR PRODUCTS SEPARATES METALTEC PROFESSIONAL GREASE FROM NORMAL GREASE. WE BLEND BY ADDING 5% METALTEC PROFESSIONAL GREASE BY WEIGHT. METALTEC PROFESSIONAL GREASE IS UNIQUE IN IT'S ABILITY TO FORM A PHYSICAL AND CHEMICAL BOND ON ALL METAL SURFACES. THE RESULT, METALTEC PROFESSIONAL GREASE IS UNIQUE IN INCREASING MECHANICAL EFFICIENCY, REDUCING DOWNTIME AND PREVENTING DISASTER FAILURE.

METALTEC GREASES IS DEVELOPED TO PERFORM THE BEST IN HEAVY INDUSTRY CONDITIONS, STRENGTHENED BY NANO TECHNOLOGY. DEFINITIONS ON THE EXTENDED LIFE OF THE EQUIPMENTS AND SPARE PARTS THAT ARE CONTINUOUSLY REPLACED DUE TO ABRASION, METALTEC PROFESSIONAL GREASE AND EXTENDED LIFE OF THE EQUIPMENT YOU USE IN YOUR ACTIVITIES, SUCH AS PRODUCTION SERVICE.



1

METALTEC PROFESSIONAL 3 GREASE

LITHIUM PLASTIC LUBRICANT FOR BEARINGS

-30°C +150°C

RUBY

2

METALTEC PROFESSIONAL 6 GREASE

LITHIUM PLASTIC LUBRICANT WITH MOS₂

-30°C +150°C

BLACK

3

METALTEC PROFESSIONAL 11 GREASE

LITHIUM PLASTIC LUBRICANT FOR CENTRAL LUBRICATION

-30°C +150°C

RUBY

4

METALTEC PROFESSIONAL 16 GREASE

LUBRICANT FOR HIGH SPEED ELECTRIC MOTOR BEARINGS

-50°C +150°C (SHORT TERM +160°C)

BROWN

5

METALTEC PROFESSIONAL 16 ULTRA GREASE

LUBRICANT FOR HIGH SPEED ELECTRIC MOTOR BEARINGS

-40°C +180°C (SHORT TERM +220°C)

CANARY



**Rotterdam The Hague**
Airport

**METALTEC-1**
METAL CONDITIONER

By using the direction of use of METALTEC-1® PROFESSIONAL PRODUCTS, it will not only save on parts, liquids and services. There will be saving on:

- TIME OF SERVICE
- LABOR EXPENSE
- TIME OF DOCKING FOR SERVICE
- PIER OR DOCK EXPENSE
- ENGINE SHUT DOWN TIME EXPENSE
- AND MANY MORE...

BEST QUALITY

THANK YOU

For more information please contact
our distributor:



www.range-technology.com

Main Supplier:



www.tctek.com.tr

