



# TCTEK PROFESSIONAL LIQUID & GREASE

QATAR GAS  
& TCTEK PROFESSIONAL  
PRESENTATION







# QATAR GAS & TCTEK PROFESSIONAL

SAFETY, HEALTH &  
ENVIRONMENTAL PERFORMANCE

HIGH CALIBRE  
WORKFORCE

EFFICIENT & RELIABLE  
OPERATIONS

QUALITY & FLAWLESS  
EXECUTION

CUSTOMER  
SATISFACTION

FINANCIAL  
PERFORMANCE

OUR PILLARS ARE THE SAME  
OUR AIM IS THE SAME



AS TCTEK WE CARE ABOUT  
THE ENVIRONMENT



WE ARE %100  
ECO-FRIENDLY



SAFETY, HEALTH &  
ENVIRONMENTAL PERFORMANCE

HIGH CALIBRE  
WORKFORCE

EFFICIENT & RELIABLE  
OPERATIONS

QUALITY & FLAWLESS  
EXECUTION

CUSTOMER  
SATISFACTION

FINANCIAL  
PERFORMANCE



# WHAT IS TCTEK PROFESSIONAL LIQUID?

---



TCTEK® Professional liquid is a clear golden color similar to an SAE 10 weight oil. It is a synthetic liquid. TCTEK® Professional liquid if added to any machine's primary lubricant it will increase operating efficiency, extend equipment life, reduce downtime and unplanned maintenance.

Although TCTEK® Professional liquid is added to the oil, fuel, hydraulic or any other liquids it is not an additive.

TCTEK® Professional liquid does not contain viscosity-increasing or other fluid-enhancing compounds. It does not change the lubricant in any way. Instead, TCTEK® Professional liquid is a metal shielding fluid. TCTEK® Professional liquid is critical inside the machine.

Simply removes circulating oil to reach hot spots and metallic friction surfaces.

It uses as a tool. Once the oil carries TCTEK Professional liquid to these areas, the TCTEK® Professional liquid separates itself out of the fluid and leaves the fluid completely unaffected and unchanged.





## WHERE IS TCTEK PROFESSIONAL LIQUID USED?

---

TCTEK ® Professional liquid can be used on all kinds of machines. Typical areas of use is two- and four- stroke diesel and gasoline engines of all sizes between; automotive and industrial transmissions and differentials; all types of compressors, including refrigeration; assembly line speed reduction gears; electric motors; pumps; etc. It is also the most difficult lathe and it is an excellent liquid for mill work. From nuclear-powered submarines to dental drills, rock breakers to bicycles, from air conditioners to sewing machines, TCTEK® Professional liquid is literally works where ever two metal meets each other.

---



## HOW DOES TCTEK PROFESSIONAL LIQUID WORK?

---

When TCTEK® Professional liquid is applied to a metal surface, the metal and chemical reacts and is absorbed by the metal. Chemical reaction friction and load at temperatures between 100°F and 150°F (38°C – 66°C), depending on the conditions takes place.

The effect of the chemical reaction is that the metal surface hardens (does not change) -when the reaction is completed, it is about seventeen times harder.

---



# HOW DOES TCTEK PROFESSIONAL LIQUID WORK?

---

- 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.
- TCTEK® 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.
- TCTEK® treated machines run cleaner and use less energy to do the same work.
- Less heat is generated in the moving parts.
- TCTEK® treated machines run cooler.



## HOW DOES TCTEK PROFESSIONAL LIQUID WORK?

Additionally, the bond between TCTEK® and metal is remarkably durable. TCTEK® - 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.



# WHAT IS IN TCTEK PROFESSIONAL LIQUID?

---

TCTEK® Professional formula is a chemically reacting synthetic-based liquid. It is a hydrocarbon derivative. At the beginning of the production process, TCTEK® professional liquid is used for various extreme pressure lubricants, natural anti-corrosion components, highly stable chlorinated esters. It consists of a mixture of anti-wear components and antioxidant compounds. The mixture is then introduced into a chemical reactor. TCTEK® Professional liquid proprietary chemical reaction when it comes out of our process, it is no longer a mixture. It is organically unique and pure, it is uniformly bound to a single substance. In its finished form, TCTEK® Professional liquid is fully stable. It's therefore does not require shaking before use. Knowing what is in TCTEK® is just as important as knowing what is not.

TCTEK® Professional liquid does not contain chlorinated paraffin, PTFE, fluorine, solvents, carrier oils, viscosity enhancers, metals, molybdenum, disulfide, sulfur, graphite powders or other solids. TCTEK Professional liquid is not dangerous, flammable, toxic or harmful.

**IT IS %100 ECO FRIENDLY.**

---





# BENEFITS OF TCTEK PROFESSIONAL LIQUID

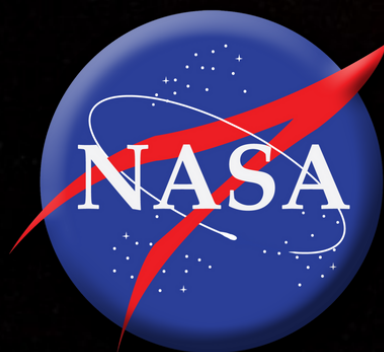
---

- 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 TCTEK® -protected surfaces.
-



# BENEFITS OF TCTEK PROFESSIONAL LIQUID

TCTEK PROFESSIONAL Fluids and Greases to provide exceptional performance and collaborating with key OEMs for many years to improve the reliability of materials and developed by NASA. Wear, rust, corrosion and high like Bridgestone today, as it helps protect against temperature degradation. Approved by many wheel manufacturers; Excellent resistance to oxidation and remains stable under adverse weather and other water exposure conditions.



NON FLAMMABLE



NON EXPLOSIVE





## QATARGAS & TCTEK PROFESSIONAL

---

- As a TCTEK Group companies our value for the environment is highly important as health for the nature.
  - We also care for the future of world land, sea and air.
  - Our liquid products are %100 Synthetic Liquid with %100 eco friendly.
  - TCTEK liquid, is been used by 500+ worldwide big brands for there quality products as much as zero tolerance for environment hazard.
  - Leading world military and military products are already in use of TCTEK Professional liquid for high performance, care and for efficiency.
  - US Navy and NATO are using our products for its quality, protection and most importantly for environment issues as safety.
-





# TCTEK PROFESSIONAL PRODUCTS AND TEMPERATURES

TCTEK PROFESSIONAL  
LIQUID: -43°C +399°C  
(DOES NOT LIT)



NON EXPLOSIVE

TCTEK PROFESSIONAL 3  
GREASE: -30°C +150°C  
LITHIUM PLASTIC LUBRICANT  
FOR BEARINGS



NON  
FLAMMABLE



NON EXPLOSIVE



TCTEK PROFESSIONAL 6  
GREASE: -30°C +150°C  
LITHIUM PLASTIC LUBRICANT  
WITH MoS<sub>2</sub>



NON  
FLAMMABLE



NON EXPLOSIVE



TCTEK PROFESSIONAL 11  
GREASE: -30°C +150°C  
LITHIUM PLASTIC LUBRICANT  
FOR CENTRAL LUBRICATION



NON  
FLAMMABLE



NON EXPLOSIVE







HIGH-TECH  
MILITARY  
NANO  
TECHNOLOGY



# TCTEK PROFESSIONAL PRODUCTS AND TEMPERATURES

TCTEK PROFESSIONAL 16  
GREASE:  $-50^{\circ}\text{C} + 150^{\circ}\text{C}$   
(SHORT TERM  $+160^{\circ}\text{C}$ )  
LUBRICANT FOR HIGH SPEED  
ELECTRIC MOTOR BEARINGS



NON  
FLAMMABLE



NON EXPLOSIVE



TCTEK PROFESSIONAL 16 ULTRA  
GREASE:  $-40^{\circ}\text{C} + 180^{\circ}\text{C}$   
(SHORT TERM  $+220^{\circ}\text{C}$ )  
LUBRICANT FOR HIGH SPEED ELECTRIC  
MOTOR BEARINGS



NON  
FLAMMABLE



NON EXPLOSIVE







4TH MOLECULE METAL SHIELDING FORMULA  
PROFESSIONAL

TCTEK Company is a part of 3 leading brands with same product under the partnership with European brand.

TCTEK Company is the only company that could and have the legal right of providing huge quantities in wholesale.

US and Europe brand is only bound to sell in retail only.

TCTEK only works with European brand and is a part owner of the European brand due to its 5th generation productions of products.

US brand is in its original form (1st Generation).









HIGH-TECH  
MILITARY  
NANO  
TECHNOLOGY



WWW.TCTEK.COM.TR