



Water Well, Mining, & Construction



JET-LUBE® products have been helping people solve equipment maintenance problems around the world for over 60 years. JET-LUBE is recognized by the NGLI (National Grease Lubricating Institute) as a master blender of grease products, the ASTM for our test facility and R&D lab, and the USA government for our Mil-Spec test capabilities. This reputation has been earned in the world's harshest environments and most demanding applications.



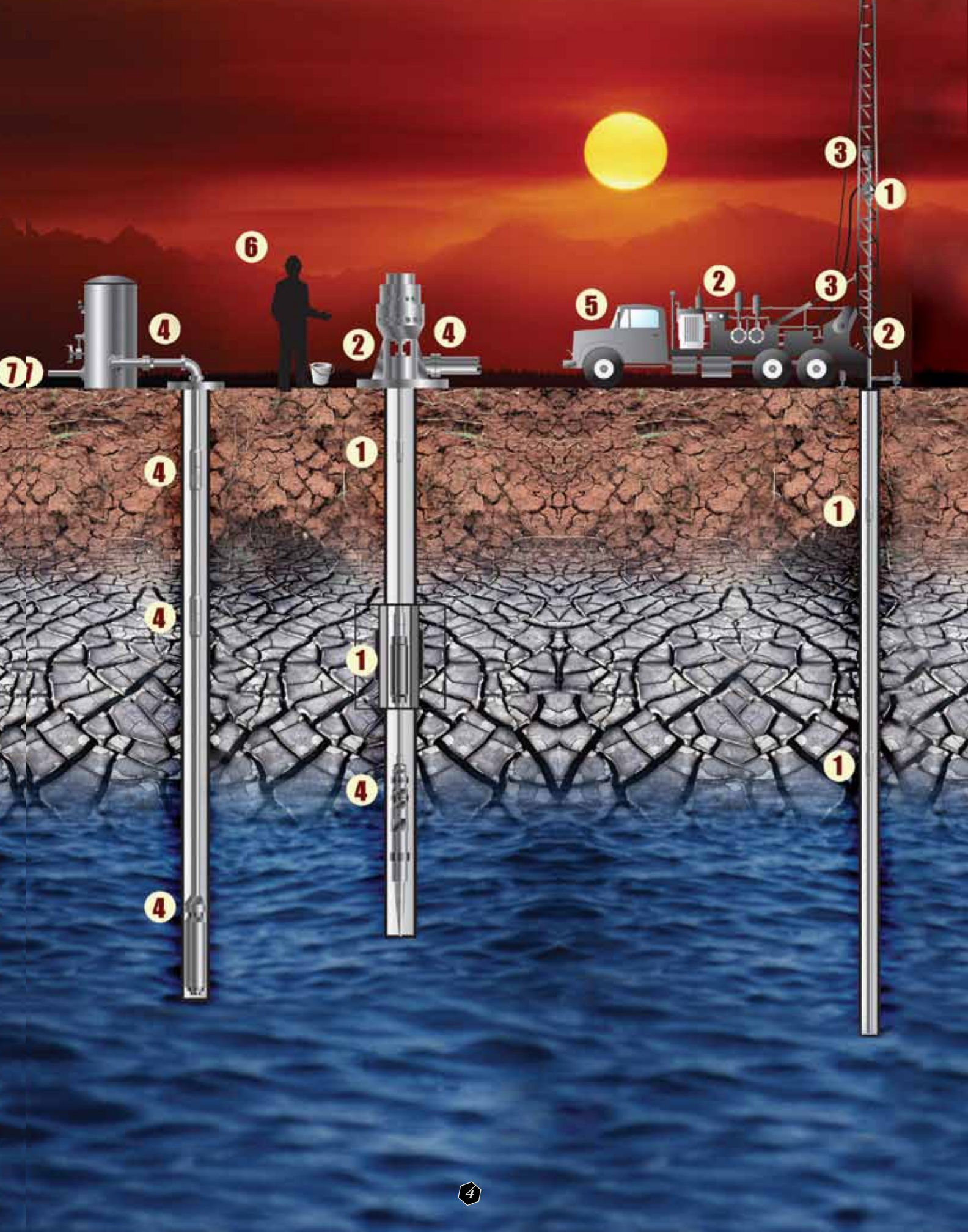
JET-LUBE Waterwell and Environmental Drilling Products have long been recognized as the industry standard. Whether the products are specialty lubricants, thread compounds and sealants used on drill pipe collars, stabs, subs, wire, and cable, or those products used on pumps, compressors, potable water connections, etc.,

JET-LUBE products have been “tested tough” on rigs and job sites all over the world. Every JET-LUBE product is meticulously researched, developed, manufactured, and inspected to the industry’s most comprehensive and rigorous quality control standards – standards augmented by ISO 9001 CERTIFICATION in 1993 for our Houston, Edmonton, and JL-UK manufacturing facilities.

JET-LUBE has long been a member and active supporter of the NATIONAL GROUND WATER ASSOCIATION and will always endeavor to bring to market only those products that protect our most precious of natural resources—water.

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Add extra years to the life of your rig...

With the products used for years.

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"Two things keep my rig up and running—my hard work and JET-LUBE." That's what we hear at site after site. It's proof-a-plenty that JET-LUBE products help add extra years of life to valuable equipment, equipment that water well drillers depend on to get the job done, and make a profit.

Using JET-LUBE specialty lubricants, thread compounds and sealants on drill rods, pipe, collars, stabs, subs, wire, and cable is just the beginning of less downtime and longer rig life.

Water well drillers also use JET-LUBE products on pumps, compressors, potable water connections; you name it, there's a JET-LUBE product for it. There are even environmentally safe cleaners and degreasers to make short work of a day's dirt.

There's more to the story: JET-LUBE products are tested tough every day. Every product you see here is the result of more than 55 years of testing and research. In fact, JET-LUBE is the only thread compound manufacturer with its own downhole simulation, testing and certification equipment. No other manufacturer takes such care of its products from the moment the basic components are formulated.

The products are tested in your hands, too—on rigs all over the world. Whether you're drilling in soft rock or harder formations, JET-LUBE delivers ultimate production, every hour of your rig's life.

Example: Our KOPR-KOTE, which is NSF registered, and JET-LUBE 21 thread compounds both are formulated with performance-proven copper that keeps on protecting when other compounds break down or burn up. KOPR-KOTE for the tough jobs, JET-LUBE 21 for regular duty. You choose the one that fits your requirements and your pocketbook. Since both are JET-LUBE thread compounds, you know that either choice buys you an environmentally safe, lead-free product.

All across the JET-LUBE line, there are products you can use to extend the life of your rig and keep downtime from cutting into your profits.

Where can you use JET-LUBE products?

Take a look.

Drill Pipe Compounds

KOPR-KOTE®



Premium Drill Collar & Tool Joint Compound

KOPR-KOTE Drill Collar and Tool Joint Compound is widely regarded as the best copper-based drilling compound in the world. It is one of the few, if not

the only, copper-based compounds to receive both an NSF registration and a DOT exception from being marked as a marine pollutant. KOPR-KOTE is uniquely formulated to prevent excessive circumferential make up and has a very high static friction factor that helps prevent downhole joint make up when excessive drilling torques are encountered.

SERVICE RATING:

Standard: 0°F (-18°C) to 450°F (232°C)

Thermal: 0°F (-18°C) to 700°F (370°C)

Arctic: -65°F (-55°C) to 300°F (149°C)

NSF H2

JET-LUBE® 21®



Double-Duty Tool Joint & Drill Collar Compound

JET-LUBE 21 Tool Joint Compound is a high-quality product designed for less severe applications than KOPR-KOTE. It is formulated to prevent excessive

circumferential make up of tool joints, and protects against galling and high stress to prolong thread and shoulder life. JET-LUBE 21 is designed for use as a tool joint compound for consistent control of make-up and breakout. It may also be used on collars in less severe drilling conditions. Not marked as a marine pollutant per the DOT.

SERVICE RATING:

Standard: 0°F (-18°C) to 450°F (232°C)

Thermal: 0°F (-18°C) to 700°F (370°C)

Arctic: -65°F (-55°C) to 300°F (149°C)

JET-LUBE® EXTREME®



Mud-Resistant Drill Collar & Tool Joint Compound

A premium-quality, unleaded compound blended into JET-LUBE's high-temp, mud-resistant, complex-base grease. Prevents excessive circumferential make up by increasing the coefficient of friction under compressive forces. As stress

levels rise above 50% of yield, the friction factor increases, limiting downhole make-up. Full hydraulic joint efficiency is maintained allowing joint shoulder faces to mate completely without standoff or deformation. DOT registered as an environmentally suitable drilling compound.

SERVICE RATING:

Standard: 0°F (-18°C) to 450°F (232°C)

Thermal: 0°F (-18°C) to 700°F (370°C)

Arctic: -65°F (-55°C) to 300°F (149°C)

JLS®



Tool Joint Compound

JLS Tool Joint Compound is economical and contains premium-grade copper flake, amorphous graphite, extreme-pressure additives, rust and corrosion inhibitors, and other special-purpose ingredients at lower

doses to be used in less severe drilling applications. JLS is recommended for use on tool joints in drilling medium-depth formations. It provides consistent control of make up, break out, galling, and seizure.

SERVICE RATING:

Standard: 0°F (-18°C) to 450°F (232°C)

Thermal: 0°F (-18°C) to 700°F (370°C)

Arctic: -65°F (-55°C) to 300°F (149°C)

Thread Sealants

V-2®



Multipurpose PTFE Thread Sealant

A soft setting, vegetable oil-based thread sealant for use with potable water, liquids, and gases where immediate pressurization is desired.

Lead and metal free, water resistant, nonflammable, and non-staining. V-2 is nontoxic and is approved for use by the NSF, IAPMAO, WFBs (UK), and UL (Canada). Contains PTFE and natural fillers.

Rated: -70°F to 500°F (-57°C to 260°C)
Pressure: 10,000 psi liquid; 2,000 psi gases
MIL-TT-S-1732 • NSF P1 • IAPMO File #1282

TFW™



PTFE Thread Sealant

Multipurpose, non-hardening, non-toxic thread sealant. For use in a wide range of other liquids and gases. Ideal for fire sprinkler, hydrant, high-pressure water, air, and natural gas lines. Lead and metal free.

Exceeds MIL-TT-S-1732
Rated: -35°F to 500°F (-37°C to 260°C)
Pressure: 10,000 psi liquids; 2,000 psi gases • IAPMO File #1282

TF-25™



Heavy-Duty Pipe Sealant with PTFE

Non-hardening, brushable thread sealant for maximum lubricating and sealing performance in a wide variety of applications over extensive temperature and usage ranges. PTFE, graphite, plus EP additives make it ideal for badly worn and damaged threads.

Effective on both ferrous and nonferrous metals. Ideal for pipe diameters larger than 3 inches.

Rated: -100°F to 600°F (-73°C to 315°C)
Pressure: 10,000 psi liquids

TF-15®



PTFE Pipe Sealant

Seals fiberglass pipe and precision threads of line pipe subject to vibration, pressure, surge, and temperature fluctuations. TF-15 contains PTFE, graphite, and other anti-wear additives. Tenaciously adheres to fiberglass and metal. Seals badly worn threads.

Rated: -50°F to 600°F (-46°C to 315°C)
Pressure: 10,000 psi liquids
California COR Title 22

JET-LOK® HP-45



Hydraulic and Pneumatic High-Pressure Sealant

Fast-curing anaerobic sealant for hydraulic and pneumatic fittings up to 2" in diameter. Resists water, most solvents, vibration loosening, and pressures to 10,000 psi. Excellent for pump and water system installation and assembly.

SILICONE COMPOUND DM™



Dielectric Grease

Premium silicone compound for use in a wide variety of applications. The compound of choice for lubricating and moisture-proofing ignition systems, spark plug connections, electrical assemblies and other similar applications. Provides excellent lubrication and sealing properties for plug and gate valves, potable water connections, and pump installation.

Rated: -70°F to 400°F (-57°C to 204°C)
MIL-S-8660C
NLGI Grade 3 • NSF H1 • Color – Translucent

Specialty Products

WLD™



Wire Rope, Cable and Roller Chain Dressing and Lubricant

A highly adhesive, water-resistant lubricant containing rust and corrosion inhibitors. Prevents moisture from penetrating wire lines, ropes, cable, and sheave grooves. Penetrates strand wires and cores. Does not attract dust or dirt. Contains molybdenum disulfide (MoS₂) to reduce friction and wear between strands. Ideal for use in saltwater environments.

Rated: -25°F to 350°F (-32°C to 175°C)
Color – Black. Paste

WRL™



Wire Rope and Chain Lubricant (Oil)

Penetrates to the rope core, ensuring lubrication throughout while providing a non-drying, non-tacky film to protect outer strands from rust and corrosion, as well as lubricating the drum and sheaves. Increases rope life and production, reduces downtime, and sprays at low temperatures.

Rated: -25°F to 350°F (-32°C to 175°C)
NSF registered H2
Color – Amber

CLEAN-UP™



Degreaser/Safety Solvent

A heavy-duty, nonflammable, chlorinated solvent that rapidly dissolves oil, grease, paint, tar and grime on contact. Ozone friendly, biodegradable, pH neutral, dielectric (>29kV), and leaves no residue.

NSF K1

CLEAN-UP PLUS™



Citrus Degreaser

Specially formulated high-performance blend of safe, organic solvents quickly dissolves and rinses away dirt, grease, grime, oil, tar, and wax, while being both environmentally safe and ozone friendly. Works immediately on contact, breaking down and dissolving even the most stubborn contaminants without the use of fluorinated, chlorinated, or SARA-listed ingredients. Slowly evaporates while cleaning, leaving a residue-free surface. Safe on all metals and most plastics. High 29kV dielectric strength.

JET-LUBE® 5000™



Water-Based Cleaner & Degreaser

Effectively removes carbon, grease, oil, and other organic deposits. Environmentally safe and ozone friendly. Use full strength for maximum results or dilute with fresh or saltwater. Contains no 1.1.1 trichloroethane, fluorocarbons, or SARA-listed ingredients and is free of acids, alkalis, chlorides, ethylene glycol ethers, phosphates, and TTO's (Total Toxic Organic Compounds). Used for heavy-duty parts degreasing, pressure washing, steam cleaning, ultra-sound cleaning, or simply by brushing or spraying and then rinsing with water or wiping clean. Safe on all metals, most plastics, vinyl, rubber, fiberglass, carpet, wood, and concrete.

NSF A1, B2, & C1

Specialty Products

EASY-CLEAN® RIG WASH



Concentrated Detergent Powder

Meets the equipment cleaning needs of the oilfield and heavy industry. Emulsifies and solubilizes oil and grease. Washes away with water, leaving a clean surface with no residue. Will not harm painted surfaces or rubber.

The low-alkali formula makes EASY-CLEAN ideal for washing clothes and hands quickly and effectively. May be used with either fresh or saltwater. Suitable for steam cleaning. Economical and easy to use.

EASY-CLEAN® LIQUID



Alkaline-Based Concentrate

Cleaner/degreaser that uniquely combines cleaning agents with newly developed emulsifying technology that can effectively remove carbon, grease, oil, and other organic deposits while being both safe and ozone friendly.

EASY-CLEAN LIQUID is effective yet safe for our environment and atmosphere. Use by pouring a five-gallon pail into a drum, then filling the drum with water.

TOP GUN™



Wasp and Hornet Killer

Provides instant knockdown on contact and leaves a residue that prevents area reinfestation. The trigger nozzle allows fast, accurate, dense jet stream delivery from up to 15 feet for safe application in hard to reach places. TOP GUN is EPA approved and has a dielectric strength of 35,000 volts.

PITLESS ADAPTER LUBE



Premium Assembly Lubricant/Preservative

Originally formulated to aid in the assembly, preservation and disassembly of waterwell casing pitless adapters. Lubricates O-rings, sleeves and other seals to provide a long-lasting, watertight seal. Special additives and PTFE prevent corrosion, contamination, and potential bacterial/fungal build-up.

Rated: -40°F to 400°F (-40°C to 204°C)

Environmentally Safe Green Products

ECO-SAFE™



Drilling Compound

ECO-SAFE™ provides excellent protection against seizing and galling and can be used for pipe joints or thread connections. ECO-SAFE™ is an entirely metal-free compound containing

carbon-based fibers and additives and other extreme-pressure and anti-wear additives. These are blended into JET-LUBE's complex base grease. This new base grease offers the additional advantage of superior adhesion to wet steel surfaces, and resistance to water wash-off.

Rated: -20°F (-29°C) to 500°F (260°C)

BULLSEYE™



Water Well & Environmental Drilling Compound

Designed for applications that prohibit the use of petroleum hydrocarbons, BULLSEYE contains a blend of vegetable oil and nonmetallic, inorganic,

EP and anti-wear additives. Provides maximum protection against galling, seizing, and thread damage while maintaining well integrity. Hydrocarbon free, water and drilling mud resistant, and biodegradable.

Brushable from 20°F (-7°C) to 400°F (204°C)

WELL-GUARD®



Monitor Well Drill Compound

Designed for monitor wells, this fully synthetic, hydrocarbon-free drill compound maintains the integrity of core samplings in environmentally sensitive test locations. Well-Guard provides maximum thread protection and prevents seizing.

Rated: -10°F (-23°C) to 400°F (204°C)

RD-N™



Rock Drill and Wire Rope Oil

A premium, hydrocarbon-free synthetic formula lubricant that is excellent for rock drills, other pneumatic equipment, and wire rope cables used in environmentally sensitive areas. Exceeds all current EPA guidelines.

Pour point Rated: -25° (-32°C) Flash Point Rated: 430°F (221°C)

Environmentally Safe Green Products

ALCO-EP™ ECF™ WW



Extreme-Service Multipurpose Grease

Extremely water resistant synthetic formula with organic additives that meets industries' most stringent biodegradation requirements. An ideal grease for high-moisture climates and operations involving water where speeds are high and tolerances are low.

Rated: -10°F (-23°C) to 450°F (232°C)

769 LUBRICANT®



And Penetrant

The foremost penetrating, moisture-displacing lubricant and corrosion preventative available. Nonflammable, non-evaporating, and economical. Contains no fluorocarbons or silicones.

MIL-C-81309 Type II & III, Class I; MIL-C-16173E Grade 3;
MIL-C-23411A; VV-P-216B; NSF H2

MAGIC WRENCH®



Super Penetrant

Attacks rust and corrosion quickly and safely. Synthetic formula penetrates, lubricates, displaces moisture, and protects moving parts yet meets USDA food service requirements. Biodegradable, silicone free, ozone safe, non-evaporative, and safe on metal and plastic.

Rated: -60°F to 350°F (-51°C to 177°C) • NSF H1

ENVIRO-GUARD™



Drop Pipe Lubricant & Sealant

Specially formulated to aid in the assembly/disassembly of downhole casing for water wells. ENVIRO-GUARD's unique base grease is highly water resistant and contains inhibitors that allow it to withstand and provide protection against the corrosive effects of caustic environments, thereby extending the life of well casing connections. High film strength protects against galling and a high solids content accommodates thread seal design requirements. Ideal for use on high-chrome connections and for potable water applications. Metal free and biodegradable.

Rated: -20°F (-29°C) to 500°F (260°C)

Mining Construction and Blast Hole

J-75® & J-89™



Drill Steel Lubricants

Performance proven, lead-free compounds specifically designed for percussion tools in road construction, logging, mining and coal, and pneumatic and tract drilling. Both are highly fortified to provide excellent resistance to shock, galling, and seizure. Their anti-friction properties are unsurpassed, providing easy thread assembly and disassembly. Under make-up pressure, both J-75 and J-89 literally “plate” and form a tenacious armored coating that eliminates metal-to-metal contact while

penetrating voids, surface imperfections, and score marks to increase thread life on steel bits, joints, and couplings. J-75 (brushable) and J-89 (pumpable) Drill Steel Lubricants will not run out or melt out of hot threads.



SERVICE RATING: 0°F (-18°C) to 450°F (232°C)

J-75 NLGI 3 – Brushable

J-89 NLGI 1.5 – Pumpable

KOL'R-KING®



Drill Rod & Mining Compound

KOL'R-KING Drill Rod Compound is designed to provide maximum protection of drill collar threads and shoulders over a wide variety of conditions. The premium-quality metallic lead forms a gasket-like shield on threads and shoulders and sets as a cushion, preventing direct metal-to-metal contact. Protects against damage from galling or seizure caused by extreme shock loads on drill collars. Contains 60% pure lead along with rust and corrosion inhibitors. Sticks to wet joints.

SERVICE RATING: 0°F (-18°C) to 280°F (138°C)

Horizontal Directional Drilling

KOPR-KOTE®



Premium Drill Pipe Compound

JET-LUBE's heavy-duty, environmentally preferred drill pipe compound provides maximum protection against galling, seizing, and downhole make-up under even the most challenging of drilling conditions.

KOPR-KOTE contains copper flake, graphite, and rust and corrosion inhibitors in a water-resistant aluminum complex grease carrier. KOPR-KOTE is formulated to prevent excessive circumferential make-up and assure full hydraulic efficiency. KOPR-KOTE contains no lead, zinc, PTFE, or other materials that may be affected by elevated temperatures. KOPR-KOTE is unequalled in providing thread protection in demanding environments.

SERVICE RATING: 0°F (-18°C) to 450°F (232°C)
NSF H2

JET-LUBE® 21®



Drill Pipe Compound

Formulated and blended from the same ingredients as KOPR-KOTE, JET-LUBE 21 is specifically designed for intermediate drilling conditions such as softer formations. This medium-priced, environmentally preferred, lead-free

product can be used throughout the entire drill string "from the swivel to the bit," on drill collars, tool joints, etc.

Note: • Arctic, Biodegradable, and Thermal Grades available on all compounds.
• Zinc compounds are also available.

JET-LUBE 21® Intermediate Grade Drill Pipe Compound
Service Rating: 0°F (-18°C) to 450°F (232°C)

JET-LUBE 21 Arctic Grade Drill Pipe Compound
Service Rating: -65°F (-55°C) to 300°F (149°C)

JET-LUBE® EXTREME®



Mud Resistant Tool Joint and Drill Collar Compound

This premium compound offers superior adhesion and prevents excessive make-up while protecting your string from invert or high-pH muds used in more severe drilling situations.

Lead and zinc free, EXTREME

incorporates JET-LUBE's newest, most advanced high-temp complex base grease for brushability and stability over a wide temperature range.

Service Rating: 0°F (-18°C) to 450°F (232°C)

DOPE BRUSHES

For easy application of all JET-LUBE compounds, we stock a variety of dope brushes.



DOPE BRUSHES for 1, 2, & 5 gallon compounds.

Drilling Accessories

OG-H™



Heavy-Duty Open Gear Lubricant

Made from highly refined mineral oils, a non-soap thickener, low-friction molybdenum disulfide (MoS₂), graphite, rust and corrosion inhibitors, and extreme-pressure additives. Highly adhesive and easy to apply. Uniformly dispersed, low-friction ingredients give

high film strength, reduced starting torques, lower operating temperatures, and extended equipment life. Use on exposed gears, steam and power wenchers, hoists, power shovels, enclosed chain, wire rope and cables, elevator tracks, and any place requiring a heavy-duty lubricant.

Rated: 0°F to 550°F (-18°C to 288°C)
NLGI Grade 3
Color – Black. Paste

#202 MOLY-LITH™



Multipurpose Grease with Moly

Exceptional resistance to heat, water, oxidation, and heavy loadings. Highly adhesive to metal, and offers unexcelled protection wherever dirt, dust, high humidity, rain, and adverse temperatures are critical problems.

Rated: 0°F to 300°F (-18°C to 149°C)
NLGI Grade 2
Color – Black

CB-2™ SUPER-LITH



Multipurpose Grease

Exceptional resistance to heat, water, oxidation, and heavy loadings. Highly adhesive to metal and offers protection wherever dirt, dust, high humidity, rain, and adverse temperatures are critical problems. Useful as a chassis grease for mobile machinery and on springs, U-joints, and water pumps.

Rated: 0°F to 300°F (-18°C to 149°C)
NLGI Grade 2
Color – Amber • (Available in other grades)

WHITE LITHIUM GREASE



Premium Grease with PTFE

Provides superior adhesion, performance, and protection for metal and moving parts under any use. Resistant to heat, oxidation, and water. Prevents rust and corrosion.

Rated: 0°F to 370°F (-18°C to 187°C)
NLGI Grade 2
NSF H2

Drilling Accessories

EP WHITE GREASE



Construction-Grade Lithium

Highly recommended as a bearing lubricant for electric motors, spindles, and other mechanical devices when low torque, high speeds, and long life are essential.

Rated: 0°F to 325°F (-18°C to 163°C)
NLGI Grade 2
MIL-G-18458B

769 LUBRICANT®



And Penetrant

The foremost penetrating, moisture-displacing lubricant and corrosion preventative available. Nonflammable, non-evaporating and economical. Contains no fluorocarbons or silicones.

MIL-C-81309 Type II & III, Class I; MIL-C-16173E Grade 3;
MIL-C-23411A; VV-P-216B; NSF H2

WLD™



Wire Rope, Cable and Roller Chain Dressing and Lubricant

A highly adhesive, water-resistant lubricant containing rust and corrosion inhibitors. Prevents moisture from penetrating wire lines, ropes, cable and sheave grooves. Penetrates strand wires and cores. Does not attract dust or dirt. Contains molybdenum disulfide (MoS_2) to reduce friction and wear between strands. Ideal for use in saltwater environments.

Rated: -25°F to 350°F (-32°C to 175°C)
Color – Black. Paste

WRL™



Wire Rope and Chain Lubricant (Oil)

Penetrates to the rope core, ensuring lubrication throughout while providing a non-drying, non-tacky film to protect outer strands from rust and corrosion, as well as lubricating the drum and sheaves. Increases rope life and production, reduces downtime, and sprays at low temperatures..

Rated: -25°F to 350°F (-32°C to 175°C)
NSF registered H2
Color – Amber

CLEAN-UP™



Degreaser/Safety Solvent

A heavy-duty, nonflammable, chlorinated solvent that rapidly dissolves oil, grease, paint, tar and grime on contact. Ozone friendly, biodegradable, pH neutral, dielectric (>29kV), and leaves no residue.

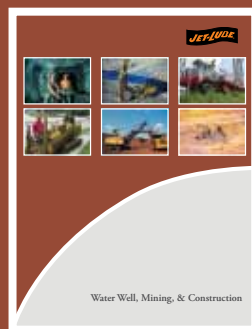
NSF K1



Petrochemical &
Refining Products



Oilfield Tubular and
Valve Compounds,
Sealants, and Lubricants



Water Well, Mining,
& Construction



Industrial



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