

DESCRIPTION

FracPack® HD Lubricants are full synthetic frac pump packing lubricant gels engineered for superior performance in the extreme conditions of hydraulic fracturing. Formulated to withstand aggressive chemicals like hydrochloric acid and n-methyl-2-pyrrolidone, it delivers robust protection for critical frac pump components. Its proprietary blend of premium mineral oils, viscosity index improvers, and advanced additives ensures exceptional anti-wear, anti-oxidation, corrosion inhibition, extreme pressure, and friction reduction properties. **FracPack® HD** gels safeguards rod and packing materials—including steel, brass, Kevlar, rubber, graphite, and Teflon—extending their lifespan under high-stress operations. With optimized pumpability, adhesiveness, and superior flow characteristics, it ensures efficient lubrication and versatility for diverse industrial applications beyond fracturing.

APPLICATIONS

- **Frac Pump Optimization:** Engineered for hydraulic fracturing operations, delivering reliable protection for components operating under extreme pressure and load conditions.
- **Multi-Industry Applicability:** Suitable for use across oil and gas, mining, construction, marine, and general industrial applications.
- **Wide Equipment Compatibility:** Designed to lubricate seals, bearings, and dynamic components in pumps, gearboxes, and hydraulic systems.
- **Severe-Duty Performance:** Maintains lubrication integrity and operational reliability in corrosive, high-temperature, and high-stress environments.


ADVANTAGES & BENEFITS

- **Excellent Thermal Stability:** Performs reliably up to 350°F, preventing thermal degradation in high-heat environments.
- **Superior Film Strength:** Offers strong extreme pressure protection, extending equipment life under heavy loads.
- **Advanced Water Resistance:** Resists foam and emulsions, maintaining performance in wet conditions.
- **Robust Corrosion Protection:** Non-corrosive to yellow metals, highly effective against rust in harsh environments.
- **Broad Material Compatibility:** Protects materials like steel, brass, Kevlar, and rubber, ensuring durability.
- **Outstanding Anti-Wear Properties:** Minimizes wear, reducing maintenance and downtime for better reliability.
- **Strong Oxidation Resistance:** Resists breakdown, ensuring long-term stability in oxygen-rich settings.
- **Highly Adhesive Formulation:** Reduces splatter, ensuring consistent lubrication and cleaner work areas.
- **Versatile Industrial Application:** Flows well, adaptable for diverse lubrication needs beyond frac pumps.

HEALTH & SAFETY

This product is not anticipated to pose any adverse health risks when used as intended.

For additional details, refer to separate Safety Data Sheets, available upon request.

TECHNICAL DATA/TECHNICAL PROPERTIES

Properties	FracPack HD-WG	FracPack HD	FracPack HDt	FracPack HDe
Color	Blue	Blue	Blue	Blue
Viscosity @ 40 °C, cSt	220	460	480	550
Viscosity Index	161	181	191	180
Pour Point, °C(°F)	-39 (-27.4)	-33 (-27.4)	-33 (-27.4)	-33 (-27.4)
Flash Point, °C(°F)	>226 (439)	>226 (439)	>226 (439)	>226 (439)
Demulsibility @ 54 °C	Pass	Pass	Pass	Pass
FOAM Sequence II	Pass	Pass	Pass	Pass
Steel Corrosion, ASTM 665 A & B	Pass	Pass	Pass	Pass
4-Ball EP, ASTM D2783	250	250	250	315
4-Ball Wear, ASTM D4172	<0.40	<0.40	<0.40	<0.40

*All properties are typical and may vary.

Always adhere to the manufacturer's guidelines for the correct equipment fluid. Lubchem Specialties is not liable for any misuse of the product or improper application.