

PackGuard Fluid

Lubricating Fluid for Well Service Packing



Your benefits at a glance

- Operates across a wide temperature range
- Effectively reduces operational temperatures
- Extends the life of packing components
- Forms a strong, durable lubricant film
- Excellent pumpability for consistent flow

Your requirements - our solution

PackGuard is a high-performance lubricating solution designed specifically for frac pump fluid ends. It is engineered to deliver superior thermal control and wear protection under extreme pressure conditions. By significantly lowering operating temperatures and reducing friction within the packing assembly, it extends component life, reduces maintenance requirements, and supports sustained high-efficiency pumping.

With outstanding stability and lubricity, PackGuard ensures reliable performance throughout long frac stages – maximizing uptime, lowering operational costs, and maintaining consistent pressure output in demanding hydraulic fracturing environments.

Application

Typical application is the lubrication of fluid end packing in plunger pumps used for:

- hydraulic fracturing
- cementing
- pump down

Application notes

PackGuard is compatible with existing fluid end packing lubricant distribution systems.

Material safety data sheets

Material safety data sheets can be requested via our website <https://www.klsummit.com>. You may also obtain them through your contact person at Summit Lubrication.

Characteristics	PackGuard Fluid
Article number	340606
Colour	blue - green
Density, DIN 51757, 20°C	approx. 0.85 g/cm ³
Flash point, DIN EN ISO 2592, Cleveland open cup	≥ 200 °C
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 83 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 680 mm ² /s
Viscosity index, DIN ISO 2909, based on standard	approx. 205
Steel corrosion, DIN ISO 7120 / ASTM D665, based on standard, method A, 60°C	passed
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	≤ -35 °C
Four-ball tester: wear characteristics, ASTM D4172, method: B, 1200 min ⁻¹ / 40 kgf, 60 min, 75°C, wear scar diameter	< 0.4 mm
FZG scuffing test, DIN ISO 14635-1, A / 8.3 / 90, failure load stage	13+

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Characteristics	PackGuard Fluid
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months

Summit Lubrication

Your expert in specialty lubricants. Since 1982, we have partnered with you to bring you the right solution and advanced lubrication technologies. With over 500 products, from air and gas compressor oils to refrigeration oils, we develop top-of-the-line products tailored to your specific needs. Your success is our success.

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