



A HOLLYFRONTIER BUSINESS

TECH DATA

PC PLUNGER LUBRICANT

INTRODUCTION

Petro-Canada Lubricants' PC PLUNGER LUBRICANT is designed specifically for use in plunger packings of pumps used in hydraulic fracturing applications of oil and gas wells.

FEATURES AND BENEFITS

PC PLUNGER LUBRICANT is formulated with Petro-Canada Lubricants' ultra-pure HT Severely Hydrocracked base oils and specially selected additives that counteract rust and oxidation.

PC PLUNGER LUBRICANT delivers reliable performance and extended service life compared to other lubricant types to both pump rods and packings and provides:

- Resistance to oil breakdown caused by air and high temperatures
- Excellent rust and corrosion protection
- Excellent water separability for maximum packing performance
- Metal-free (zinc-free) chemistry for reduced environmental impact

PC PLUNGER LUBRICANT is also formulated using proprietary additive technology that prevents fluid from thickening at low temperatures and ensures consistent operations of equipment lubricator pumps and lines to lube points down to -36°C. In addition to its enhanced low temperature performance, PC PLUNGER LUBRICANT also:

- provides and maintains excellent lubrication beyond most OEM recommendations
- is compatible with most common packing elastomer materials to ensure strong seal between plunger and packing components

APPLICATIONS

PC PLUNGER LUBRICANT is suitable for use in many well service pumps, hydraulic fracture and extraction applications. Check with your local Petro-Canada Lubricants representative to confirm the OEM requirements for use of an ISO VG 68 fluid.

Due to its enhanced cold temperature performance characteristics, PC PLUNGER LUBRICANT is also suited for applications during the establishment of cement well casings.

Petro-Canada Lubricants starts with the HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



TYPICAL PERFORMANCE DATA

| Property | ASTM Test Method | PC PLUNGER LUBRICANT |
|-----------------------------------|------------------|----------------------|
| Colour | D1500 | <1.0 |
| Density @ 15°C, kg/L | D4052 | 0.866 |
| Kinematic Viscosity at 40°C, cSt | D445 | 69.9 |
| Kinematic Viscosity at 100°C, cSt | D445 | 9.20 |
| Viscosity Index | D2270 | 107 |
| Flash Point, COC, °C (°F) | D92 | 247 (477) |
| Pour Point, °C (°F) | D5950 | -42 (-44) |
| Rust, Procedure A, 24h | D665 | Pass |
| Rust, Procedure B, 24h | D665 | Pass |
| Copper Corrosion 3hr @ 100°C | D130 | 1A |
| Zinc, ppm | D4951 | 0 |

*The values quoted above are typical of normal production. They do not constitute a specification.

To order product or to learn more about how Petro-Canada Lubricants can help your business visit: lubricants.petro-canada.com or contact us at: lubecsr@petrocanadalsp.com



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