



SEMI-SYNTHETIC WIRELINE DYNAMIC GREASE SEAL

PRODUCT CODE: 7042, 7044, 7045

DESCRIPTION

49 NORTH® SEMI-SYNTHETIC WIRELINE DYNAMIC GREASE SEAL is a blend of polymeric material and corrosion inhibitors in highly refined, de-waxed, paraffinic mineral oils and synthetic base oils. Three “seasonal” grades are available cover all operating temperature conditions, Summer, Winter, and Mid-Season. The summer grade of 49 NORTH® SEMI-SYNTHETIC WIRELINE DYNAMIC GREASE SEAL also contains Poly ISO Butylene (PIB), a synthetic viscosity index improver.

QUALITIES

49 NORTH® SEMI-SYNTHETIC WIRELINE DYNAMIC GREASE SEAL is designed to adhere to wirelines used in oil well logging applications, and is an extremely viscous fluid containing specialized inhibitors to resist salt water corrosion and hydrogen sulfide (H₂S). 49 NORTH® SEMI-SYNTHETIC WIRELINE DYNAMIC GREASE SEAL penetrates the strands of wire rope, protecting them for excessive wear and premature failure. By design, 49 NORTH® SEMI-SYNTHETIC WIRELINE DYNAMIC GREASE SEAL, is specifically made to withstand intense temperatures as well as rough work conditions.

APPLICATIONS

49 NORTH® SEMI-SYNTHETIC WIRELINE DYNAMIC GREASE SEAL is recommended for braided wireline cables, applied by grease injector control heads and cable lubricators.

FEATURES & BENEFITS

Advanced adhesive properties prevent well site contamination.

Additive package includes tackifiers to ensure adhesion to wireline cables.

Resistant to rust and oxidation, and Hydrogen Sulfide.

Special formulations available for protection in all temperatures.

Poly ISO Butylene (PIB) ensures that viscosity is maintained even in the harshest operating conditions.

CONTACT

Email: info@49northlubricants.com
www.49northlubricants.com

Phone: 780.986.9260
Toll Free: 1.800.463.0354
Fax Toll Free: 1.877.917.4949

6611 - 45 Street
Leduc, Alberta
Canada T9E 7E3

TYPICAL PROPERTIES

Seasonal Grade Product Code		Summer 7042	Winter 7044	Mid-Season 7045
Viscosity @ 40°C, cSt	ASTM D445	14000	148	3500
Viscosity @ 100°C, cSt	ASTM D7042	1100	24	350
Viscosity Index	ASTM D2270	288	195	336
Pour Point, °C	ASTM D97	-45	-45	-35
Flash Point, °C	ASTM D92	190	210	210
Specific Gravity (60F)		0.87	0.87	0.87
API		31.0	31.7	30.6
Suggested Ambient Temperature Usage, °C		>15	-30 to 0	-5 to 15

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

CORROSION TESTING



Fresh Wire

49N Wireline

Alternative

Wires were soaked overnight in 49 NORTH® SEMI-SYNTHETIC WIRELINE DYNAMIC GREASE SEAL (middle) and a commercially available wireline fluid (far right). The soaked wires were then taken out and allowed to drain for one hour, after which they were placed in a hydrogen sulfide environment. The corroded wires were dried under Nitrogen for three days and washed with heptane. The wires, shown together with a piece of fresh wire are shown above.

The wire soaked in 49 NORTH® SEMI-SYNTHETIC WIRELINE DYNAMIC GREASE SEAL shows significantly less oxidation than the other wires.

HEALTH & SAFETY

A complete Safety Data Sheet (SDS) is available upon request. Used oil contains by-products which may be harmful.

PACKAGE SIZES

Available in 181kg Drums, 15kg pails

CONTACT

Email: info@49northlubricants.com
www.49northlubricants.com

Phone: 780.986.9260
 Toll Free: 1.800.463.0354
 Fax Toll Free: 1.877.917.4949

6611 - 45 Street
 Leduc, Alberta
 Canada T9E 7E3