

## G-TEK CSC F-SYN SERIES

### High Performance Full Synthetic Calcium Sulfonate Grease

**BRAUTEK G-TEK CSC F-SYN Grease** is long life, full synthetic, calcium sulfonate complex grease specially designed for extended service life under arctic climate conditions. This grease is formulated with fully synthetic base oils and is engineered with compatible additives. This helps to ensure the highest performance even in heavy/shock load applications. Calcium sulfonate complex thickener makes this grease water resistant under water ingress or freezing conditions; it will continue flowing under sub-zero temperatures. Unlike other calcium sulfonate complex greases available, this grease exhibits very good pumpability characteristics at low temperatures.

**BRAUTEK G-TEK CSC F-SYN Grease** is recommended for the most severe applications in the industry with excellent performance, oxidation resistance and a wide operating temperature range.

**BRAUTEK G-TEK CSC F-SYN Grease** is recommended for centralized lubrication system due to its excellent pumpability.

#### Product Features:

- Wide range of operating temperatures – 25 °C to 250 °C
- High Timken & Weld Load for outstanding EP performance
- Exceptional Mechanical Stability
- High Drop Point – Suitable for high temperature application
- Excellent rust protection
- Very good water resistance and salt water protection

#### Customer Benefits:

- Excellent performance under heavy and shock loads
- Forms protective film on metal surface and protects equipment from rust and water even at low temperatures
- Does not drip out under running conditions even at low temperatures
- Extraordinary performance at high temperatures
- Protects equipment from rusting under wet and water ingress conditions
- Extended service life

#### Applications:

**BRAUTEK G-TEK CSC F-SYN Grease** is highly recommended for mining, marine, oil fields and logging applications, especially in arctic climate conditions. Besides excellent performance at low temperatures, this grease is suitable for other industrial applications where extended service life is needed like steel mills, mining and off-highway.

## Typical Properties

Product Code	952 BC	952BB	952BA	Test Method
<b>NLGI grade</b>	0	1	2	
<b>Thickener type</b>	Ca-Sulfonate	Ca-Sulfonate	Ca-Sulfonate	
<b>Color</b>	Red	Red	Red	Visual
<b>Base Oil viscosity</b>				
<b>SUS @ 100 °F</b>	1164	1164	2114	ASTM D-445
<b>SUS @ 210 °F</b>	115.3	115.3	184.1	
<b>cSt @ 40 °C</b>	218	223	456	
<b>cSt @ 100 °C</b>	22.9	23.2	39.4	
<b>Viscosity Index</b>	> 120	> 120	> 120	
<b>Drop Point, °C</b>	-	+ 280	+ 306	ASTM D2265
<b>Worked Penetration at 25°C</b>	355-385	310-340	265-295	ASTM D 217
<b>Change after 100,000 strokes</b>	< + 20	< + 20	< + 20	
<b>Oil Separation , 25 °C, 24 Hrs. , %</b>	-	0.60	0.45	ASTM D 1742
<b>Four Ball Weld load , kg</b>	450	500	620	ASTM D 2783
<b>Timken OK Load, lbs.</b>	>60	>65	>65	ASTM D 2509
<b>Wear Scar Dia, mm</b>	0.40	0.40	0.40	ASTM D 2266
<b>Water Washout, wt. % loss@ 80 °C</b>	-	3.5	2.3	ASTM D 1264
<b>Rust Test , rating</b>	Pass	Pass	Pass	ASTM D 1743
<b>USS Mobility Test.</b>				USS DM 43
<b>@ - 20 °F , gm/min</b>	-	39.2	23.4	
<b>@ - 40 °F, gm/min</b>	-	18.6	8.6	

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

**Health and Safety:**

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website. [www.brautek.com](http://www.brautek.com).