

# SumTech® FGCS Series

Synthetic calcium sulfonate thickened lubricating grease



## Your benefits at a glance

- Superior water spray off and water wash off properties
- Excellent anti-wear properties
- Extreme pressure properties
- Oxidation resistance
- Protection from rust and corrosion

## Your requirements - our solution

SumTech FGCS Series is a 100% synthetic calcium sulfonate thickened lubricating grease created specifically for the food and beverage industries. Its special additive system provides superior water spray off and water wash off properties. It offers excellent anti-wear properties, extreme pressure properties, oxidation resistance, and protection from rust and corrosion. The synthetic base stock gives SumTech FGCS Series exceptional low

temperature properties and thermal stability over a wide temperature range.

SumTech FGCS Series greases are NSF H1 Registered and meet USDA 1998 (H1) guidelines for lubricants with incidental food contact. FGCS greases are ideal for the lubrication of cookers and other equipment used in meat/poultry processing, fruit/vegetable processing, and bakeries where higher operating temperatures are a concern.

## 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	SumTech FGCS-1	SumTech FGCS-2	SumTech FGCS-2-380
Article number	340395	340368	340440
Composition, thickener	calcium sulfonate	calcium sulfonate	calcium sulfonate
Colour	whitish - beige	whitish - beige	whitish - beige
NLGI grade	1	2	2
Worked penetration	310 - 340 0.1 mm	265 - 295 0.1 mm	265 - 295 0.1 mm
Kinematic viscosity of the base oil, 100°C	approx. 25 mm <sup>2</sup> /s	approx. 25 mm <sup>2</sup> /s	approx. 40 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, 40°C	approx. 220 mm <sup>2</sup> /s	approx. 220 mm <sup>2</sup> /s	approx. 382 mm <sup>2</sup> /s
Viscosity index	147	147	156
Corrosion test	passed	passed	passed
Oil separation	< 0.5 % by weight	< 0.5 % by weight	< 0.5 % by weight
Dropping point	315+ °C	315+ °C	315+ °C
Four-ball tester: wear characteristics	0.50 mm	0.50 mm	0.50 mm
Four-ball tester, welding load	400 kgf	420 kgf	400 kgf
Water washout test	< 2 % by weight	< 1 % by weight	< 1 % by weight
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 months	36 months

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## 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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