

Overview ▶ TruGrease FG APS 400 is an incidental food contact grease made with pure high viscosity PAO synthetic base oil. Combining this oil with a next generation calcium sulfonate thickener provides maximum protection to operational conditions in excess of 400°F. And thanks to a minimal additive profile, it is certified to NSF H1 standards making it perfect for food processing applications such as ovens, dryers, and equipment utilizing high pressure steam. TruGrease FG APS 400 is also an excellent choice for paper mills which endure similar operational conditions, and produce food-contacting paper.



Nonfood Compounds
H1

Typical Applications:

- Any high temp, food processing application
- Bottling lines
- Paper mills
- Pellet mills - livestock feed pellets
- Oven conveyors

TruGrease APS 400 FG is available in NLGI 2.

Typical Properties ▼

Property	FG AP 400	
Product Code	FTG39400S	
NLGI Grade	ASTM D217	2
Color	Visual	White to Off White
Texture	Visual	Smooth
Dropping Point °C	ASTM D2265	316°C
Worked Penetration, 60 Double Strokes, dmm	ASTM D217	265-295
Mechanical Stability		
Worked Penetration 10,000 Double Strokes, % Change	ASTM D217	< 3.0
Worked Penetration 100,000 Double Strokes, % Change	ASTM D217	< 3.0
Worked Penetration 10,000 Double Strokes with 10% Water, % Change	ASTM D217	< 3.0
Roll Stability, % change	ASTM D1831	< 3.0
Timken OK Load, kg ASTM D2509 25	ASTM D2509	25
4-Ball EP: LWI, kgf ASTM D2596 50	ASTM D2596	50
Weld Point, kg	ASTM D2596	400
4-Ball Wear, mm ASTM D2266 0.50	ASTM D2266	0.50
Fretting Wear, mg	ASTM D4170	< 10
Bearing Rust Protection	ASTM D1743	Pass

Salt Fog Corrosion, 1 mil d.f.t., hours	ASTM B117	> 500
Wheel Bearing Leakage, grams	ASTM D4290	< 3
Bearing Life Performance, hours	ASTM D3527	> 150
Bomb Oxidation, 100 hours @ 99°C, PSI Drop	ASTM D942	< 1
Water Washout, % removed	ASTM D1264	< 1
Oil Separation, % loss	ASTM D1742	< 0.5
Copper Strip Corrosion	ASTM D4048	1b
Base Oil Viscosity @40°C, cSt	ASTM D445	397
Base Oil Viscosity @100°C, cSt	ASTM D445	39
Base Oil Viscosity Index		147
Base Oil Flash Point, °C (°F)		326 (619)
Four Ball Wear Scar (mm)		0.54
Four Ball Weld Load (kg)		250
Pour Point °F		-33

Key Attributes / Approvals ▶



- Grade 2, 400 cSt PAO Base Oil Formulation.
- Inherent protection from rust and corrosion.
- 100% PAO Base Oil... no mineral oil component.
- Wide operating temperature range, and very effective in
- extremely high temps (200-400°F).
- Mechanically stable... virtually no consistency change during/after usage.
- Environmentally friendly formulation contains no antimony, barium, chlorine, phosphorus, zinc or free sulfur.
- NSF H1 Registration Number: 164623

See the Safety Data Sheet (SDS) for emergency, proper handling and disposal information.

Rev. TGFGAPS400 - 03222021