



GAUGE FACE RAIL LUBRICANT TECHNICAL DATA SHEET

SUPER LUBE® RAILROAD GREASE WITH SYNCOLON® (PTFE)		
Part #: 47-41040-5, 47-41040-5SRS, 47-41050-5		
TEST	TEST METHOD	RATING
NLGI Grade:	ASTM D217	1
Color:		Translucent White
Temperature Range:		-45°F to 450°F (-43°C to 232°C)
Viscosity (Base Oil) cSt @ 100°C: cSt @ 40°C:	ASTM D445 ASTM D445	8 350
Specific Gravity:	ASTM D1298	.89 @ 60°F
Dropping Point:	ASTM D2265	>550°F (287°C)
Penetration, worked (60 strokes)	ASTM D217	310 - 340 mm/10
Four Ball Test Load wear index: Weld point:	ASTM 2596	70.63 kgf 400 kg
Four ball EP Scar Diameter:	ASTM D2266	< 1.0 mm
Low Temperature Torque @ -54°C Starting: 10 minute running: 1 hour running:	ASTM D1478 ASTM D1478 ASTM D1478	0.27 N-m (0.37 in-lbs.) 0.08 N-m (0.11 in-lbs.) 0.006 N-m (0.09 in-lbs.)
Salt Spray Test (100 hrs.)	ASTM B117	Pass
Dielectric Loss:	ASTM D924	1.2 x 10 ¹²
Dielectric Resistivity:	ASTM D1169	1.7 x 10 ¹⁴
Dielectric Constant:	ASTM D924	2.5
Oil Separation:	ASTM D6184	< 2%
Evaporation Loss 22 hrs. @ 212°F (100°C):	ASTM D972	<1%
Oxidation Stability - 100 hrs.	ASTM D942	0.5 psi drop
Timken OK Load:	ASTM 2509	40 lbs.
Flash Point:	ASTM D92	>428°F (220°C)
Fire Point:	ASTM D92	>572°F (300°C)
Wheel Bearing Leakage:	ASTM D1263	< 1.0 g
Water Washout (max.):	ASTM 1264	< 1%
Copper Corrosion - 24 hrs. @ 100°C	ASTM D4048	1B, shiny
Acid Number:	ASTM D664	.5 mg KOH/g
Biodegradability	CEC-L33-T82	50% degradability in 28-35 days 60+% degradability in 56 days



A Product of The Synco Chemical Corporation
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US Patent # 5,037,566
super-lube.com

**For Total Lube Solutions,
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