



Spheerol 4807

Special lubrication grease

Description

Spheerol™ 4807 is a special grease with EP (extreme pressure) additives, based on mineral oil and a special calcium complex soap thickener. Spheerol 4807 meets the requirements of TL B 1400.1,2 as an annular spring buffer grease. This special grease is for the lubrication and corrosion protection of friction spring type annular springs, which are primarily used by the railway industry in plunger buffers. Castrol has successfully submitted this product to the strict requirements of the high-quality standard DIN EN ISO 9001. This certification gives you an additional safety assurance with this products quality and the service that can be expected from Castrol.

Typical Characteristics

Name	Method	Units	Spheerol 4807
Colour	Visual	-	Brown
Base Oil	-	-	Mineral
Thickener type	-	-	Calcium-complex soap
Base Oil Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	50-70
Dropping point	ISO 2176 / ASTM D566	°C/°F	200/392
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	315
Worked Penetration (60,000 strokes @ 25°C / 77°F) - change from 60 strokes	ISO 2137 / ASTM D217	0.1 mm	348
Oxidation Stability - Rotating Pressure Vessel test	ASTM D942 / DIN 51808	pressure drop psi	<11.6
Acid Number	ISO 6618 / ASTM D974	mgKOH/g	0.3
Water Content - Dean-Stark distillation test	ISO 3733 / ASTM D95	%wt	Trace amount
Water resistance	DIN 51807-1	Rating	1-90
Service temperature range	-	°C	-20-60
DIN Classification	DIN 51502	-	M1-2C-20
Oil Separation test (24 hr / 60°C)	Deutsche-Bahn test method (PA-0015)	% wt	0.40
Heat test (24 hr / 60°C)	Deutsche-Bahn test method (PA-0011)	Stage	1
Rust Test - EMCOR (distilled water)	ISO 11007 / ASTM D6138	Rating	0/0

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