



環境中で分解しやすいグリース
生分解度28日で60%以上
(OECD 301 C 試験による)

Readily biodegradable grease
>60% degradability (28 days)
(OECD 301C test)

Excellent low noise property and wide operating temperature range...

MULTEMP SRL

Wide Temperature Bearing Grease

The temperature of bearings and other components of electric motors and auto electrical equipment can increase significantly, as they become smaller, lighter and higher performance. Grease intended for such lubrication points is required to offer not only high temperature performance, but also low noise characteristics, low-temperature properties and rust protection. Multemp SRL is wide-temperature long-life grease designed specifically for use under such harsh conditions, and has been widely accepted with a good track record.

Multemp SRL is an *Eco Mark product. Eco Mark Certification Number: 05110012

*Eco Mark: An eco-label certified by the Japan Environment Association

< Characteristics >

Low Noise Characteristics

Removal of impurities from main raw materials and use of special additives and base oil of appropriate viscosity, as well as specialized process in a dust-free factory enables quieter running of bearings.

High Temperature Performance Life

Several times longer performance life than other wide-temperature range greases available in the market. Usable in bearings at high temperature conditions for a long period and, under normal conditions, achieves significant extension of the interval of grease refilling or bearing replacement.

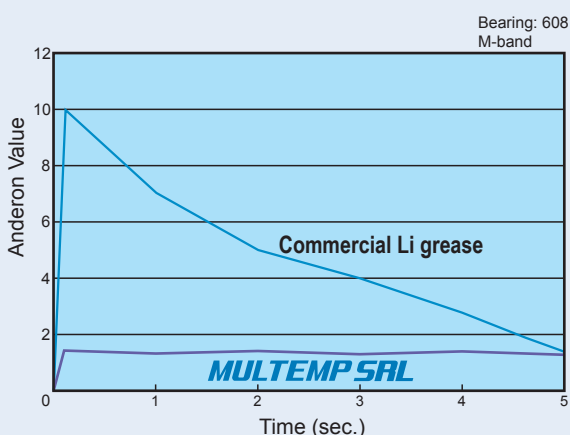
Low-Temperature Performance

The combination of special synthetic lubricating oils and the structure designed to minimize internal flow resistance extended the lower temperature limit to as low as -50°C, eliminating concerns about low-temperature starting performance of precision machine and small-size motors.

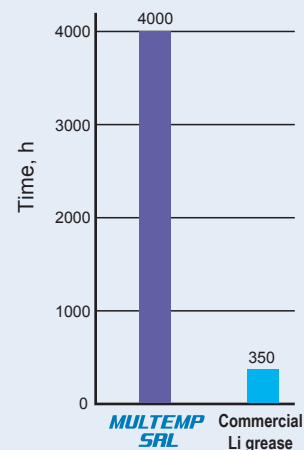
Anti-rust Properties

Enhanced anti-rust properties ensure protection not only from moisture but also from salt water and varnish, which often cause rust concerns for auto electrical components and electric motors.

Anderon Noise Test Result (initial ~ 5 sec.)



Lubrication Life Test (ASTM D1741 @125°C)



Typical Property of Multemp SRL

Test and Condition		Multemp SRL	Test Method	
Appearance		light brown, buttery	—	
Thickener		lithium soap	—	
Worked penetration		250	ASTM D217	
Dropping point, °C		190	ASTM D566	
Copper strip corrosion	100°C, 24h	no colour change to black or green	ASTM D4048	
Evaporation loss, mass%	99°C, 22h	0.30	ASTM D972	
Oil separation, mass%	100°C, 24h	1.2	ASTM D6184-98 Mod.	
Oxidation stability, kPa	99°C, 100h	25	ASTM D942	
Foreign particles, number/cm ³	10µm 以上	400	FTMS 791C-3005 Mod.	
	25µm 以上	100		
	75µm 以上	0		
	125µm 以上	0		
Worked stability		305	FTMS 791C-313	
Water washout, mass%	38°C, 1h	1	ASTM D1264	
Low-temperature torque, mN•m	-30°C	starting	79	ASTM D1478-63
		running	25	
	-40°C	starting	110	
		running	28	
Bearing corrosion	52°C, 48h	#1	ASTM D 1743-73	
Base oil viscosity, mm ² /s	40°C	26.0	ASTM D445	
Base oil viscosity index		127		
Bearing lubrication life, h	125°C	4000	ASTM D 1741	

< Packing >
18-kg pail or 2.5-kg can

KYODO YUSHI

<http://www.kyodoyushi.co.jp>