

MULTIS COMPLEX S1A & S2A



Grease



Extreme pressure and high temperature lithium complex grease.

APPLICATIONS

Multi purpose
High temperature

Heavy duty EP grease

- Because of their outstanding performance, the **MULTIS COMPLEX S1A** and **S2A** can be used for the lubrication of machinery under heavy loads and high temperatures in a wide range of applications such as automotive, industrial, agricultural, mining and construction.
- **MULTIS COMPLEX S1A** and **S2A** are designed for the lubrication various applications in all types of operating conditions, but particularly where the operation temperature is high and the use of conventional lithium greases is limited.
- **MULTIS COMPLEX HV S1A** and **S2A** can be used to lubricate plain bearings and ball or roller bearings in equipment operating from slow to high speeds and at temperatures ranging from -23°C to 204°C

PERFORMANCES

- **MULTIS COMPLEX HV S1A** and **S2A** are the premium products for maximum protection, performance, and service life on most industrial equipment
- **MULTIS COMPLEX HV S1A** and **S2A** are certified **NLGI GC/LB**.
- The good lubrication provided by the superior performance properties of **MULTIS COMPLEX HV S1A** and **S2A** greases can help to maintain equipment productivity, reduce wear and increased bearing life, thus, contributing to lower maintenance costs and increase life expectancy of equipments, while the inherent stability and quality of these greases means longer service intervals.

CUSTOMER BENEFITS

Broad Operating
Temperature Range

Outstanding EP and
Antiwear Properties

Excellent Bearing Retention

Excellent Water Resistance

Outstanding Rust and
Oxidation Protection

Long Storage Life

Excellent Mechanical Stability

Excellent Reversibility
Excellent Pumpability

- Its extensive range of applications and multipurpose usage between -23°C to 204°C allow stock rationalization.
- Its extreme pressure (EP) and antiwear properties prevents scoring, scuffing, and seizure of moving surfaces under heavy loads, shock loads or overloads.
- Stays in place to prevent contamination.
- Strongly adherent lubricant film that resists wash-off and throw-off.
- Provides better rust protection and longer oxidation protection.
- Allows simplification of maintenance and reduces long term cost
- Retain their structure and consistency even after severe mechanical work.
- Hardness does not change even after repeated heating and cooling cycles.
- Can be pumped in industrial centralized lubricating systems.

CHARACTERISTICS

MULTIS COMPLEX	ASTM Method	S1A	S2A
Product Code		T402263	T402185
NLGI Grade	D217	1	2
NLGI Certification	D217	GC/LB	GC/LB
Penetration, worked 60°F	D217	325	282
Soap Type	D128	Lithium Complex	Lithium Complex
Dropping Point, °F (°C)	D2265	559 (293)	550 (288)
Oxidation Stability, psi drop/100 hrs.	D942	3	3
Rust Test	D1743	Pass (1,1,1)	Pass (1,1,1)
Water Wash-Out @ 175°F, %	D1264	3,3	2,3
Water Spray-Out, %	D4049	12,2	12,2
Copper Corrosion	D1261	Pass	Pass
4-Ball scar, mm	D2266	0,40	0,40
4-Ball Weld, kg	D2596	315	315
Useful Temperature, °C		-23 to 204	-23 to 204
°F		-10 to 400	-10 to 400
Timken OK Load, lb (kg)	D2509	50 (23)	50 (23)
Color	Visual	Blue	Blue
Texture	Visual	Smooth	Smooth
Base Oil Data:			
Viscosity, cSt @ 40°C	D445	145	145
Viscosity, cSt @ 100°C	D445	14,2	14,2
Viscosity Index	D2270	92	92
Pour, °C (°F) minimum	D97	-20 (-4)	-20 (-4)

The typical characteristics mentioned represent mean values.

Recommendation

- Always avoid contamination of the grease by dust and/or dirt when applying.
- Preferably use a pneumatic pump system or cartridges.