

## **Shock Resistant Grease**

*... A Premium Quality,  
Extreme Pressure Grease  
Especially Formulated for Cost  
Cutting Lubrication of Equipment  
Subjected to High Shock Loading*

Heavy pounding and slamming associated with shovels, front end loaders, pile drivers, bulldozers and other heavy equipment of this variety quickly break down and pound out conventional greases, leaving bearings and other friction surfaces dry.

SWEPCO 110 Shock Resistant Grease has been especially formulated to provide an extra margin of safety in severe service applications where shock loading makes conventional multipurpose and extreme pressure greases inadequate. It is a premium quality, cost cutting grease which combines superior shock resistance with excellent extreme pressure performance and chemical and thermal stability.

### **Superior Adhesion & Cohesion**

SWEPCO 110 is formulated with a superior gelling agent which has an exceptionally high natural affinity for metal. This means the grease clings tenaciously to metal surfaces, keeping the lubricating oils where they belong. This natural affinity for metal surfaces is then enhanced with a special, long lasting "polymer extender". The result of this advanced lubrication technology is a grease with truly superior adhesive and cohesive properties ... a tough,



**SWEPCO 110 Shock Resistant Grease provides dependable, long lasting lubrication for bulldozers, shovels, front end loaders, pile drivers and other equipment subjected to severe pounding, slamming and impact loads.**

fibrous, extremely tacky grease which won't get pounded out or sling off during severe service applications and won't break down during extended service.

### **Protection Against Heat & Wear**

Besides providing protection from shock loads, SWEPCO 110 is an excellent extreme pressure lubricant which provides superior heat and wear control under the most demanding operating conditions. It's performance in this important area is attributable to a combination of 100% straight cut solvent refined base stocks and Lubium® ... SWEPCO's exclusive highly effective chemical additive. At elevated operating temperatures, Lubium® automatically forms a second

film of lubrication which protects components from metal to metal contact even if the base lubricating oils should get squeezed out by extreme pressures.

### Economical All Temperature Performance

SWEPCO 110 has excellent thermal stability over a wide range of temperatures, making it an economical all season/all temperature grease. It provides plenty of protection for greasing applications up to 250° F (120° C) and doesn't thicken excessively or harden at temperatures down to minus 25° F (-32° C).

### Superior Water & Corrosion Resistance

SWEPCO 110 is ideally suited to applications which require high resistance to water, such as chassis, fifth wheel and water pump lubrication. In addition to not washing out, SWEPCO 110 provides superior control of rust and corrosion.

### Longer Grease Life

SWEPCO 110 stays put and lasts longer than conventional multi-purpose greases because of its excellent adhesion, superior base stocks and high temperature oxidation resistance. And that means lower grease consumption and extended lubrication cycles. Because it's a versatile, multi-purpose, all season grease, it eliminates the need for stocking several specialty greases for different applications. This helps eliminate lubrication mistakes, simplifies greasing programs and allows many users to take advantage of volume purchase discounts they couldn't get by using smaller quantities of several different specialty greases.

### Reduces Maintenance Costs

Because it extends equipment life and lengthens greasing cycles, SWEPCO 110 creates savings in maintenance and operations areas as well. By reducing the amount of both emergency and routine maintenance and maintenance downtime, use of SWEPCO 110 keeps equipment productive a greater percentage of the time and frees tight maintenance schedules for more pressing activities. The overall result can be a significant reduction in maintenance costs and improved profit margins.

### Exceptionally Versatile

SWEPCO 110 is a multi-purpose grease which provides dependable economical protection in a wide variety of other applications, including all types of roller, sleeve and pillow block bearings, ball joints and slideways. It is ideal as a fifth wheel grease, universal joint grease, chassis grease, water pump grease and in other multi-purpose or extreme pressure grease applications.

### Typical Physical Characteristics

NLGI Consistency .....	2
Penetration, @ 77°F, ASTM D-217 .....	280
Dropping Point, °F, ASTM D-2265 .....	285
Base Oil Viscosity, cst @40°C .....	131.4
Base Oil Viscosity, cst @100°C .....	11.4
Color .....	Light Red
Texture .....	Very Stringy

### Typical Performance Characteristics

Timken OK Load .....	40
4-Ball Wear Test Scar Diameter, mm, ASTM D-2266 ..	0.65
Rust Test, ASTM D-1743 .....	1
Oxidation Test, ASTM D-942 .....	3
PSI Loss @ 100 Hrs, max .....	6
PSI Loss @ 500 Hrs, max .....	Pass
Wheel Bearing Test, ASTM D-1263 .....	Pass
Optimum Operating Temperature Range °F (°C) .....	-25 to +250 (-32 to +120)



**A Product of SPX Technology™.**

... the cutting edge performance SWEPCO  
Customers have come to expect.



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