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DASH POT OILS - BUFFER OILS - SHOCK ABSORBER OILS

These oils are used in a variety of shock absorbing devices to convert energy into heat, thus dampening oscillating motion. Shock absorbers are of two general types, single tube and multi-tube. Oil is forced through narrow channels in the tubes which heats the oil through compression and frictional forces. The oil temperature may get as high as 300 F, but commonly runs 200 F. Oils designed to absorb and convert energy must exhibit specific chemical and physical properties in order to be useful over an extended period of time.

A low pour point is necessary to allow consistent performance in cold environments. All the oils offered below are free of wax which might otherwise restrict fluid flow. These premium lubricants remain clear and fluid to temperatures approaching -65 F.

Low volatility reduces oil consumption and prevents pressure buildup. By minimizing the amount of oil vapor in a confined space, fire and explosion potential are greatly reduced.

Oxidation and wear resistance in lubricants of this type is crucial in order to maintain consistent heat transfer rates. As petroleum oils age and become contaminated with metal ions, the viscosity rises and the ability to release heat decreases. Oils designed for elevator use are especially vulnerable to high levels of heat due to their continuous use. Therefore, the oils below exhibit exceptional resistance to thermal and mechanical degradation.

Foaming within the oil can be expected to occur due to the nature of the operation. Unlike the relatively incompressible nature of petroleum oil, foam offers compressibility characteristics which cause inconsistent performance. Foam in a shock absorber may cause bouncing and hard landings which might ordinarily be attributed to other sources. Each of the five oils below is designed to resist foaming under the most severe circumstances.

#20 Buffer Oil

160 SUS @ 100 F. General purpose oil for a wide variety of moderate loads.

#22 Buffer Oil

240 SUS @ 100 F. General purpose oil for a wide variety of moderate loads.

#28 Dash Pot Oil

60 SUS @ 100 F. Low pour point oil for light loads at low temperatures.

#7215 Buffer Oil

350 SUS @ 100 F. Designed for severe service where heavy, continuous loading is common.

#9001 Brake Oil

115 SUS @ 100 F. High dielectric, highly refined oil with a very low pour point used in dash pot reservoirs. Dyed red to distinguish it from other oils.

#9040 Door Check Oil

100 SUS @ 100 F. Ideal for general purpose applications. Light to moderate loading.

...Providing Solutions To Industry Since 1912...

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Cutting Fluids * Industrial Lubricants * Greases * Cleaners

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