

Black Cat

Severe Duty Mining & Construction Grease

No. 105

NLGI #0, 1, & 2

DESCRIPTION:

Black Cat Severe Duty is a tacky, long-life, adhesive/cohesive grease, designed with a 70 pound Timken OK Load Rating, and a drop point of 550⁰ F+. **Black Cat** contains Teflon[®], and a unique blend of mineral moly under 5 microns. This unique moly provides extreme anti-wear protection far beyond that of conventional greases. The amount of mineral moly in **Black Cat** exceeds Caterpillar's 5% moly requirement for severe duty applications. **Black Cat** will resist pound out, and water wash out, under extreme conditions. The latest technology in additives, combined with High Viscosity Index hydroprocessed group II base oils, allow **Black Cat** to give extended protection against corrosion and wear, providing extreme acid and chemical resistance.

TYPICAL OPERATING CONDITIONS:

Black Cat is specially formulated to provide maximum, long lasting protection to bearings, bushings, pins, sliding surfaces, and other areas exposed to severe conditions of pounding, moisture contamination, or heavy loads.

Black Cat is excellent in applications where there is a need to provide extended component life, while reducing excessive grease consumption. **Black Cat** provides excellent pumpability, and maximum protection against wear under heavy loads, and is designed for use in equipment centralized lube systems such as, Caterpillar 992G and 994 Loaders, and 5130 and 5230 Shovels.

FEATURES:

Black Cat is a specially formulated lithium-complex grease, featuring a high drop point, and formulated with High Viscosity Index base oils, compounded with specialized additives including:

Mineral Moly	Extreme Pressure Additives
Adhesive/Cohesive Additives	Stabilizing Agents
Teflon [®]	Oxidation Inhibitors
Anti-Wear Agents	Rust and Corrosion Inhibitors

TYPICAL APPLICATIONS:

Automatic Lube Systems	Plain Bearings	Turn Tables
Bucket Pins	Fifth Wheels	Open Gears
Sliding Surfaces	Chassis Points	Conveyors
Swing Arms	Anti-friction Bearings	Couplings

And many other areas requiring the use of a superior, extreme pressure grease for extended service

PERFORMANCE CHARACTERISTICS:

Black Cat will provide superior, long lasting protection against:

- | | |
|-------------------------------------|-------------------------------------|
| Extreme pressure | Water washout |
| Elevated temperatures | Chemical contamination |
| Rust and oxidation | Corrosion |
| High temperature oil volatilization | Channeling due to cold temperatures |

TYPICAL SPECIFICATIONS:

NLGI Grade	Test Method	#0	#1	#2
Penetration, 60 Strokes		370	325	265
Drop Point, °F, min.	ASTM D-2265	550+	550+	550+
Timken OK Load, Lbs. min.	ASTM D-2509	70	70	70
Four-Ball EP Weld Point (kg):	ASTM D-2596	800+	800+	800+
Load Wear Index		78.2	78.2	78.2
Rust Prevention	ASTM D-1743	1B	1B	1B
Water Washout, % loss, Max. @ 175°F	ASTM D-1264	2.0	2.0	2.0
Lincoln Vent Meter @ 77°F				300 PSI
@ 30°F				550 PSI
Base Oil Viscosity: @ 100°F, Sus	ASTM D-445	640	660	750
@ 210°F, Sus		69	70	78
Viscosity Index	ASTM D-2270	115	115	115

Values shown here are typical, and may vary.