

SUBJECT: CORRECT GREASE FOR HYDRAULIC HAMMERS

MODEL(S): ALL HAMMER MODELS

Proper hammer maintenance depends on the regular greasing of the tool (chisel) with the correct grease. The tool must be pressed against a hard surface until it stops up inside the hammer. This ensures proper distribution of grease between the tool and tool bushings.

The hammer must be greased at regular intervals to get the best life from the tool and tool bushings. There are two ways to determine grease intervals. First; grease the hammer at the beginning of the job until grease comes out between the tool and the lower tool bushing. Run the hammer until the shank of the tool starts to look dry. This determines the time interval for the greasing of this particular hammer on this particular job. Typically, this is 1 to 4 hours. Also, note the amount of grease needed to re-grease the tool. This gives you the amount of grease and how often it must be applied. An example would be that a particular hammer, on a particular job, requires half a tube of grease every 3 hours. This would be the greasing schedule you would set up. If this hammer has moved to another job, another grease schedule may have to be set up. Second; if you can't control the grease schedule, such as rental units, then have the operator grease the hammer once every hour of hammer operation. Again, grease the hammer until grease comes out between the tool and tool bushing. This is usually more often than required, but is far cheaper than replacing prematurely worn tools and tool bushings.

The type of grease used is very important. NPK recommends a Lithium Base, Moly (Molybdenum Disulfide) or other surface protecting additives, EP (Extreme Pressure), NLGI #2 Grease. A high drop point (500°) grease is desirable.

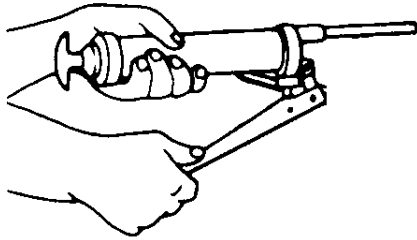
Included with this bulletin is a list of greases available from NPK. NPK does not endorse any one brand as being superior to another. If you or your customers use a different brand, please contact the NPK Service Department at 1-800-225-4379.

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NPK HAMMER GREASE

NPK now offers hammer grease specially formulated to meet severe job requirements. The grease is available in three different temperature ranges - 350°, 500°, and 2000°. All are compatible with NPK Auto Lube Systems.

Universal Plus and *Super Duty* are lithium soap based products that resists washout and contain NPK-10 additive for surface protection in friction affected areas. *Chisel Paste* is an aluminum complex soap base with 12% graphite and copper additives for extreme operating conditions.



| 350° | 500° | 2000° |
|---|--|--|
| NPK UNIVERSAL PLUS LITHIUM PLUS EP2 GREASE | NPK SUPER DUTY EP2 GREASE WATER RESISTANT | NPK CHISEL PASTE EP2 GREASE EXTREME TEMP WATER RESISTANT |

| UNIVERSAL PLUS 350 deg | NPK PART NO. |
|-----------------------------------|-------------------------|
| 14 OZ. CARTRIDGE | G000-1010 |
| 120 LB. KEG | G000-1020 |
| 35 LB. PAIL | G000-1030 |
| 400 LB. DRUM | G000-1040 |

| SUPER DUTY 500 deg | NPK PART NO. |
|-------------------------------|-------------------------|
| 14 OZ. CARTRIDGE | G000-1011 |
| 120 LB. KEG | G000-1021 |
| 35 LB. PAIL | G000-1031 |
| 400 LB. DRUM | G000-1041 |

| CHISEL PASTE 2000 deg | NPK PART NO. |
|----------------------------------|-------------------------|
| 14 OZ. CARTRIDGE | G000-1050 |

| HAMMER MOUNTED AUTO LUBE CHISEL PASTE | NPK PART NO. |
|--|-------------------------|
| 14 OZ. CARTRIDGE | G025-1050 |