

"SEAL SAVER"*

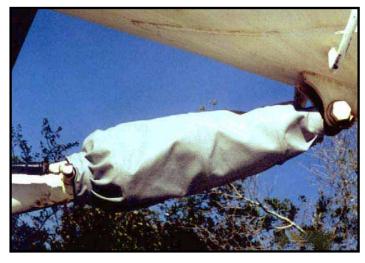
PROTECTIVE CYLINDER COVER APPLICATION UPDATE... PROVEN ON READY MIX TRUCKS FOR OVER 8 YEARS

*PATENTED

MTM BRIDGEMASTER CYLINDER



CHUTE CYLINDER



- PROTECTS CYLINDER CHROME FROM ACID WASH, ROAD DEBRIS, AND THE ELEMENTS
- LIFE EXPECTANCY TWO TO FIVE YEARS
- SIMPLE TEN MINUTE INSTALLATION
- RESISTANT TO WATER, CHEMICALS, OIL, HEAT, AND PUNCTURES
- CUSTOM BUILT FOR ANY PROBLEM APPLICATION

- AVAILABLE IN SILICONE COATED KEVLAR OR BALLISTIC NYLON MATERIAL
- EXTENDS CYLINDER LIFE THREE-FOLD
- NO DISASSEMBLY OF CYLINDER REQUIRED
- PROVEN ON McNEILUS, REX, KIMBAL, HOUSBY, ETC...
- ALSO AVAILABLE FOR EXCAVATORS, LOADERS, BACKHOES, ETC...

PREVENTATIVE MAINTENANCE AT ITS BEST!



"SEAL SAVER"*





THE "SEAL SAVER"* WILL:

- EXTEND CYLINDER SEAL LIFE
- PREVENT CYLINDER ROD SCORING
- REDUCE PARTICLE CONTAMINATION IN THE HYDRAULIC SYSTEM

THE "SEAL SAVER"* IS:

- SIMPLE TO INSTALL LESS THAN 10 MINUTE, NO DISASSEMBLY OF CYLINDER REQUIRED
- RESISTANT TO WATER, CHEMICAL, OIL, HEAT, AND PUNCTURES
- ECONOMICAL LOW IN COST, LONG IN LIFE EXPECTANCY



"SEAL SAVER"* APPLICATION UPDATE

*PATENTED





User/Company: Key Construction Company - Jackson, MS

Machine: CAT 320 Excavator

Application: Bucket and Crowd cylinders

Key Construction Company, one of the largest bridge construction companies in Mississippi, was tired of the never-ending cycle of damaged cylinder rods and leaking seals. When the local Caterpillar dealer (Puckett Machinery Company) introduced them to "SEAL SAVER"* protective cylinder cover, they immediately saw the product's potential. They purchased one to test on the CAT 320BL bucket cylinder (shown above). They evaluated the product for approximately six months and then proceeded to protect the rest of their fleet. Key Construction Company will not just realize extended cylinder life with less downtime, but they will also be stopping the intrusion of dirt into their hydraulic system via the rod wipers. Keeping this contamination out of their systems will not only give them a longer filter life, but it will also prolong the life of the valves and pumps. As most people know, contamination is responsible for 70% of hydraulic component failures.

This *patented product is being utilized in all types of industries throughout the United States and in over 20 countries around the world.

THE "SEAL SAVER" PROTECTIVE CYLINDER COVER TAKING PREVENTATIVE MAINTENANCE TO A NEW LEVEL



"SEAL SAVER"*



APPLICATION: CAT 350L

KIT ORDER #: FCS350L/4

KIT CONSISTS OF PROTECTIVE COVERS FOR:

- 1) BUCKET CYLINDER
- 2) LIFT CYLINDER
- 1) CROWD CYLINDER

THE PATENTED "SEAL SAVER"* IS CURRENTLY BEING UTILIZED ON THE CAT 350L AND OTHER CATERPILLAR EXCAVATORS WITH GREAT RESULTS! IT IS DESIGNED TO BE HEAT, WATER, OIL, AND CHEMICAL RESISTANT. THIS PRODUCT PROTECTS THE SEALS AND CYLINDERS. THIS CAN RESULT IN LESS DOWN TIME AND FEWER REPAIRS!

THE "SEAL SAVER"* SECURELY ATTACHES TO THE ROD AND CYLINDER HEAD USING ONLY A SCREWDRIVER. NO DISASSEMBLY OF THE CYLINDER IS REQUIRED.

ALL "SEAL SAVERS"* COME WITH A ONE YEAR WARRANTY ON WORKMANSHIP AND MATERIALS









CAT 350L



THE "SEAL SAVER"* WILL:

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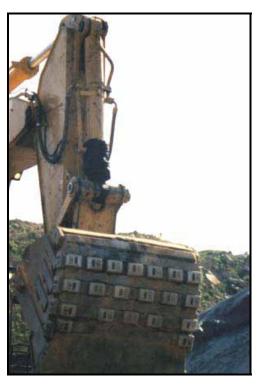
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"SEAL SAVER"* UPDATE







The Machine: Caterpillar 5110B Mass Excavator

The Location: Hartsfield Int'l Airport in Atlanta, Georgia - 5th Runway Addition Project

(the largest civil project in the U.S.)

The Problem: Repeated bucket cylinder failures due to dings and dents caused by abrasive

soil

The Solution: Addition of the patented* "SEAL SAVER"* protective cylinder cover

The Benefits: Elimination of dings, dents, rod scoring and ingression of dirt particles into the

hydraulic system via worn wipers and seals

Installation Time: 10 to 15 minutes

Tools required: Screwdriver and Scissors

Cylinder disassembly: None



"SEAL SAVER"*



APPLICATION: CAT 980F KIT ORDER #: FCS980F/6

KIT CONSISTS OF PROTECTIVE COVERS FOR:

- 2) BUCKET CYLINDER
- 2) LIFT CYLINDER
- 2) STEERING CYLINDER

THE PATENTED "SEAL SAVER"* IS CURRENTLY BEING UTILIZED ON THE CAT 980F WITH GREAT RESULTS! IT IS DESIGNED TO BE HEAT, CHEMICAL, OIL, AND WATER RESISTANT. THIS PRODUCT PROTECTS THE SEALS AND CYLINDERS. THIS CAN RESULT IN LESS DOWN TIME AND FEWER REPAIRS!

THE "SEAL SAVER"* SECURELY ATTACHES TO THE ROD AND CYLINDER HEAD USING ONLY A SCREWDRIVER. NO DISASSEMBLY OF THE CYLINDER IS REQUIRED.

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SEAL SAVER"*

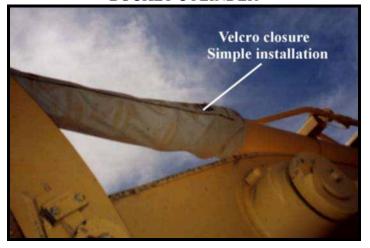
*PATENTED

SILICONE COATED KEVLAR VERSION ****APPLICATION UPDATE**** CAT 988G LOADER

LIFT CYLINDERS



BUCKET CYLINDER



These photos were taken three months after installation at a Hanson Building Material's concrete batch plant in Phoenix, Arizona.

Hanson installed the "SEAL SAVERS" on this machine when it was new - before any damage to the cylinder could occur.

THAT IS PREVENTATIVE MAINTENANCE!

- Stop the ingression of dirt into the hydraulic system
- Stop ultraviolet ray damage to seals
- Extend the cylinder life three-fold
- Stop rod scoring

Some of the companies currently utilizing this product are:

Vulcan Materials • Martin Marietta • Lafarge • McNeilus Truck Mfg. • Waste Mgmt • Robertson's Ready Mix



"SEAL SAVER"* FOR CAT 988





THE "SEAL SAVER"* WILL:

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"SEAL SAVER"*

APPLICATION: CAT 992 KIT ORDER #: FCS992/6

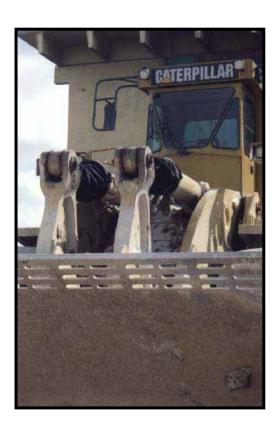
CONSISTS OF PROTECTIVE COVERS FOR:

2) BUCKET CYLINDERS

2) LIFT CYLINDERS

2) STEERING CYLINDERS





THE PATENTED "SEAL SAVER"* IS CURRENTLY BEING UTILIZED ON THE CAT 992 WITH GREAT RESULTS! IT IS DESIGNED TO BE HEAT, CHEMICAL, OIL, AND WATER RESISTANT. THIS PRODUCT PROTECTS THE SEALS AND CYLINDERS. THIS CAN RESULT IN LESS DOWN TIME AND FEWER REPAIRS! THE "SEAL SAVER"* SECURELY ATTACHES TO THE ROD AND CYLINDER HEAD USING ONLY A SCREWDRIVER. NO DISASSEMBLY OF THE CYLINDER IS REQUIRED.

ALL "SEAL SAVERS"* COME WITH A ONE YEAR WARRANTY ON WORKMANSHIP AND MATERIALS.







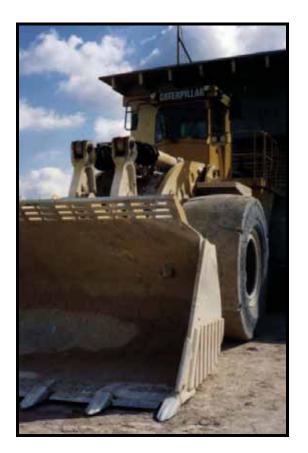
CAT 992

THE "SEAL SAVER"* WILL:

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- ECONOMICAL LOW IN COST, LONG IN LIFE **EXPECTANCY**













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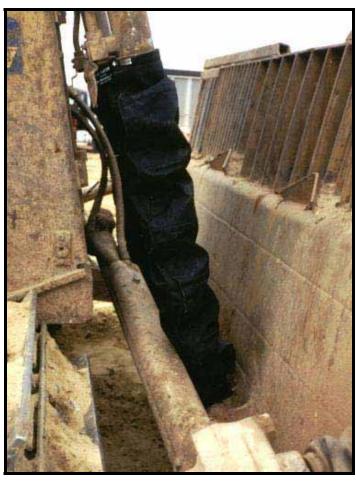


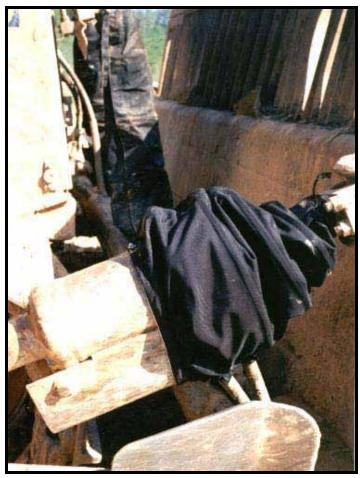
"SEAL SAVER"*

APPLICATION: CAT D7H CONSISTS OF PROTECTIVE COVERS FOR: KIT ORDER #: FCSD7H/3

1) TILT CYLINDER

2) BLADE CYLINDERS





THE PATENTED "SEAL SAVER"* IS CURRENTLY BEING UTILIZED ON THE CAT D7H AND OTHER LANDFILL OPERATIONS WITH GREAT RESULTS! IT IS DESIGNED TO BE HEAT, CHEMICAL, OIL, AND WATER RESISTANT. THIS PRODUCT PROTECTS THE SEALS AND CYLINDERS. THIS CAN RESULT IN LESS DOWN TIME AND FEWER REPAIRS! THE "SEAL SAVER"* SECURELY ATTACHES TO THE ROD AND CYLINDER HEAD USING ONLY A SCREWDRIVER. NO DISASSEMBLY OF THE CYLINDER IS REQUIRED. ALL "SEAL SAVERS"* COME WITH A ONE YEAR WARRANTY ON WORKMANSHIP AND MATERIALS.



"SEAL SAVER"* APPLICATION UPDATE CATEPILLAR 836 COMPACTOR

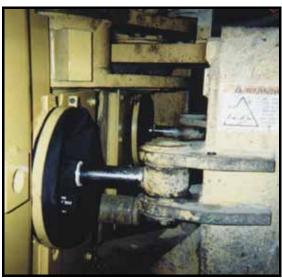
*PATENTED

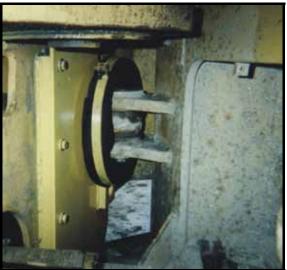
PROBLEM: TRASH JAMMING IN STEERING CYLINDER

SOLUTION: INSTALL "SEAL SAVER"* PROTECTIVE COVER











THE ADVANTAGES OF PROTECTING CYLINDERS

As users of earth moving machinery strive to reduce maintenance costs and extend life expectancy of these expensive machines, a maintenance breakthrough product has hit the market. The "SEAL SAVER"* protective cylinder cover has proven to extend cylinder seal life three fold and beyond. This simple to install product (no disassembly of cylinder required) is now being utilized around the world in the toughest environments (Quarries, Mining, Steel Mills, Demolition etc.).





BRIDGEMASTER



The patented* "SEAL SAVER"* opens and closes like an accordion as the cylinder works. It keeps dirt, sand and grit off the rod, which cause scoring and damages the seals. The hidden feature of the product is that it keeps the silt-sized particles from entering the hydraulic system via the rod seals and contaminating the system. These silt sized particles, once in the system, act like a lapping compound. This build up begins the wear process on valves and pumps. As most people know, 70% of hydraulic system failures are caused by contamination (dirty oil). Stop the ingress of contaminates and your oil filter can do it's job (keeping the oil clean).



STABILIZERS



EXCAVATORS



PREVENTATIVE MAINTENANCE AT IT'S BEST

Depending on the application, several types of materials are used to manufacture this unique product. In addition to our standard Ballistic woven nylon material, special materials include Kevlar (very abrasive conditions), Aluminized Kevlar (high abrasion and heat), two grades of Aluminized Silica Cloth (high heat and very high heat).

When determining if you should use this type of protection, you should consider the price of rebuilding or replacing a cylinder as well as the labor and downtime costs involved. When you add it all up, this product is simply "Intelligent Preventative Maintenance"



"HOSE SAVER" PROTECTIVE HOSE WRAP

PROTECT YOUR HOSES FROM ABRASION, ULTRAVIOLET RAYS, WIND, RAIN, SNOW, AND DRY ROT.

CHANGE THIS



TO THIS



UNIQUE VELCRO® CLOSURE MAKES FOR SIMPLE INSTALLATION





COMES IN ROLLS THAT ARE EASILY CUT TO FIT
TIGHTLY WOVEN 1050 DENIER POLYURETHANE-BACKED NYLON MATERIAL
CUSTOM BUILT FOR VIRTUALLY ANY HOSE OR BUNDLE DIAMETER
CALL NOW AND STOP REPLACING YOUR HOSES!



"SEAL SAVER"*

PROBLEM: PREMATURE SYSTEM FAILURE DUE TO PARTICLE AND MOISTURE

CONTAMINATION THROUGH WORN SEALS.

SOLUTION: THE *PATENTED "SEAL SAVER"* CYLINDER COVER

KAWASAKI





THE PATENTED "SEAL SAVER" IS CURRENTLY BEING UTILIZED ON NUMEROUS TYPES OF EQUIPMENT WITH GREAT RESULTS! IT IS DESIGNED TO BE HEAT, CHEMICAL, OIL, AND WATER RESISTANT. THIS PRODUCT PROTECTS THE SEALS AND CYLINDERS. THIS CAN RESULT IN LESS DOWN TIME AND FEWER REPAIRS!

THE "SEAL SAVER" SECURELY ATTACHES TO THE ROD AND CYLINDER HEAD USING ONLY A SCREWDRIVER. NO DISASSEMBLY OF THE CYLINDER IS REQUIRED.

ALL "SEAL SAVERS"* COME WITH A ONE YEAR WARRANTY ON WORKMANSHIP AND MATERIALS.



"SEAL SAVER"* PROTECTIVE CYLINDER COVER

*PATENTED

BENEFITS:

- EXTENDED CYLINDER SEAL LIFE
- PROTECTS CYLINDER RODS FROM SCORING
- PROTECTS HYDRAULIC SYSTEM COMPONENTS FROM PREMATURE WEAR DUE TO CONTAMINANTS INTRODUCED THROUGH THE WORN SEALS

FEATURES:

- HEAT RESISTANT (-70° F TO 450° F)
- OIL RESISTANT (NYLON BASED MATERIALS)
- WATER RESISTANT (TEFLON & POLYURETHANE COATED)
- PUNCTURE RESISTANT (1050 DENIER)
- CHEMICAL RESISTANT
- EASY INSTALLATION (NO SPECIAL FIXTURES OR TOOLS REQUIRED)
- ECONOMICAL
- AVAILABLE IN HIGH STRENGTH (KEVLAR) AND HIGH HEAT (ALUMINIZED SILICA CLOTH) MATERIALS



PROVEN EFFECTIVE IN CHEMICAL, STEEL, WOOD PRODUCTS, LANDFILL, MUNICIPAL, AEROSPACE, QUARRY, AND CONSTRUCTION INDUSTRIES



"SEAL SAVER"*



THE PATENTED "SEAL SAVER" CYLINDER COVERS ARE FIELD PROVEN TO:

- EXTEND CYLINDER SEAL LIFE
- PROTECT CYLINDER RODS FROM SCORING
- EXTEND HYDRAULIC SYSTEM COMPONENTS LIFE BY KEEPING CONTAMINANTS OUT OF SYSTEM OIL
- BE SIMPLE TO INSTALL AND MAINTAIN
- BE OIL, WATER, CHEMICAL, AND HEAT RESISTANT



USED IN:

- LANDFILLS
- MINING
- CONSTRUCTION
- SAWMILLS
- PAPER MILLS
- IN-PLANT HYDRAULICS

*PATENTED



"SEAL SAVER"*

APPLICATION: KOMATSU 380

KIT ORDER #: FCS380/5

CONSISTS OF PROTECTIVE COVERS FOR:





- 2) LIFT CYLINDERS
- 2) STEERING CYLINDERS
- 1) BUCKET CYLINDER

THE PATENTED "SEAL SAVER"* IS CURRENTLY BEING UTILIZED ON THE KOMATSU 380 AND OTHER KOMATSU EQUIPMENT WITH GREAT RESULTS! IT IS DESIGNED TO BE HEAT, CHEMICAL, OIL, AND WATER RESISTANT. THIS PRODUCT PROTECTS THE SEALS AND CYLINDERS. THIS CAN RESULT IN FEWER REPAIRS AND LESS DOWN TIME!

THE "SEAL SAVER"* SECURELY ATTACHES TO THE ROD AND CYLINDER HEAD USING ONLY A SCREWDRIVER. NO DISASSEMBLY OF THE CYLINDER IS REQUIRED.

ALL "SEAL SAVERS"* COME WITH A ONE YEAR WARRANTY ON WORKMANSHIP AND MATERIALS.

*PATENTED



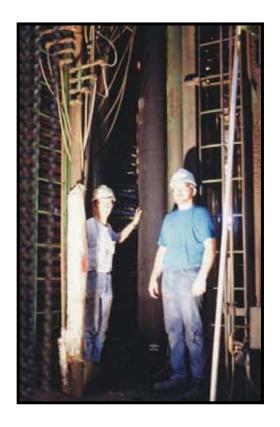
"SEAL SAVER"*

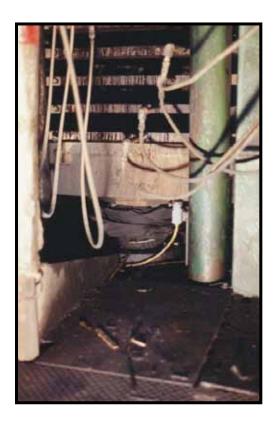
*PATENTED

STOP PRESS CYLINDER ROD SEAL FAILURE

STOP THE INGRESSION OF TRASH INTO THE PRESS HYDRAULIC SYSTEM

STOP CYLINDER RELATED PRESS DOWNTIME!!





THE PATENTED "SEAL SAVER" KEEPS THE TRASH OFF OF THE ROD AND OUT OF YOUR SYSTEM

- SIMPLE TO INSTALL
- COST EFFECTIVE
- FIELD PROVEN



"SEAL SAVER"*

*PATENTED

PROBLEM: PREMATURE SYSTEM FAILURE DUE TO PARTICLE AND

MOISTURE CONTAMINATION THROUGH WORN SEALS

SOLUTION: THE PATENTED "SEAL SAVER"* CYLINDER COVER





FEATURES AND BENEFITS:

- REDUCTION OF CONTAMINANTS ENTERING HYDRAULIC SYSTEM THROUGH WORN CYLINDER SEALS (SUBSEQUENT SYSTEM FAILURE AND REPAIR)
- ELIMINATION OF MOISTURE ENTRY INTO HYDRAULIC SYSTEM
- ELIMINATION OF WOOD FIBER/PITCH PARTICLES THAT CAUSE PREMATURE SEAL FAILURE WHEN BEING DRAWN AGAINST CYLINDER SEALS DURING RETRACTION
- ELIMINATION OF DOWNTIME DUE TO PREMATURE CYLINDER SEAL FAILURE
- "SEAL SAVER"* IS MANUFACTURED WITH OIL, HEAT, WATER, AND PUNCTURE RESISTANT MATERIALS
- SIMPLE, FAST INSTALLATION
- LOW COST



"SEAL SAVER"*

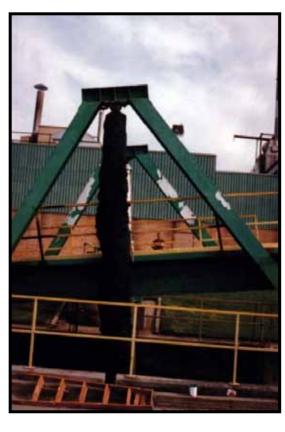
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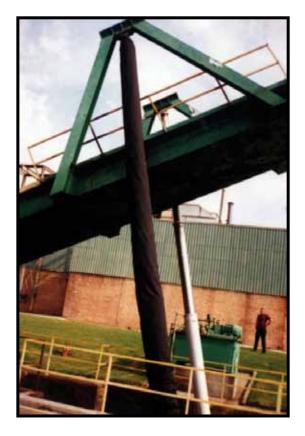
QUESTION: HOW MUCH DOES IT COST TO REPAIR OR REPLACE YOUR MULTI-STAGE

TRUCK DUMP CYLINDERS?

ANSWER: A LOT MORE THAN IT COSTS TO EXTEND THEIR LIFE BY PROTECTING

THEM WITH "SEAL SAVER"* PROTECTIVE CYLINDER COVERS!!





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- PROTECT CYLINDER RODS FROM SCORING
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