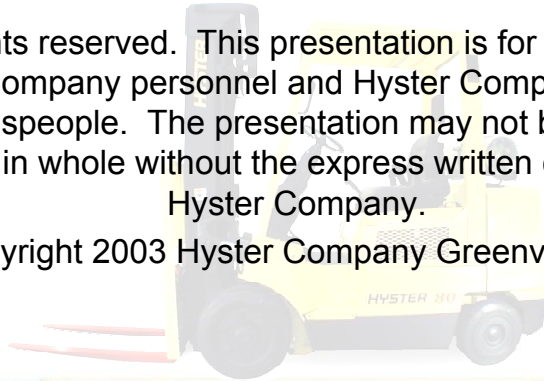


Paper Industry Applications Option

S70-120XM

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Raising The Standards



Paper Industry Applications Option

S70-120XM



Raising The Standards



Paper Industry Applications Option

- **Introducing the Paper Industry Applications Option. Option number 255-01**
- **This option is designed for use in applications where loose paper products are present at floor level.**
- **Applications include, but are not limited to, Lumber Mills, Wood / Paper Processing & Recycled Paper Products**
- **We recommend that you add this option to any paper industry application where waste scraps are present.**

Raising The Standards



If you have any question as to whether or not this option should be applied, contact SPED.

S70-120XM

- The S70-120XM included design features that reduced noise and heat in the operator compartment and improved engine cooling for demanding applications. These improvements resulted in increased airflow from beneath the truck, which increased the possibility of loose floor debris being pulled up into the engine compartment.

Raising The Standards



Paper Industry Applications Option

This option will reduce the potential for fire by limiting the contact of paper or tissue scraps with hot surfaces under the hood.

Maintaining a clean work environment, as well as cleaning and checking under the hood for scraps of paper, will still be required to minimize the risk of fire in paper industry applications.

Raising The Standards



Option Components

- **Vented side panels**
- **Dual stainless steel exhaust pipes**
- **Exhaust pipe covers**
- **Exhaust manifold screens**
- **Spark Arresting Muffler**

Raising The Standards



The components for this option were selected to reduce the likelihood of paper debris contacting hot surfaces. The components do not reduce performance, they are easy to inspect and do not significantly increase exhaust output temperature. Further, exhaust covers reduce the amount of heat and noise directly under the operator.

Vented Side Panels



- Expanded Metal
- Keep debris out
- Increase air flow
- Positioned for cleaner air



Raising The Standards



Side panels are vented through the installation of expanded metal screens. These expanded metal side panels are designed to keep debris out while increasing the airflow to the engine compartment. The positioning of the screens is designed to increase the amount of clean air introduced into the engine compartment and to reduce the airflow from under the truck by 15-20%.

Dual Stainless Steel Exhaust Pipes

- Durable
- Extends the life of pipes and covers

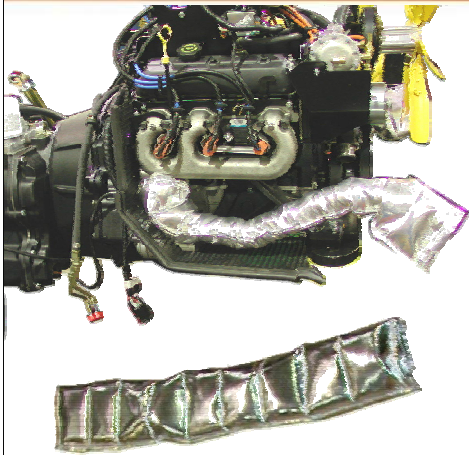


Raising The Standards



The choice of stainless steel extends the life of the pipe and the pipe cover. It is durable, reduces the potential for exhaust leaks, and reduces the potential for deterioration of the covers.

Exhaust Pipe Covers



- Keeps heat inside so exposed surface temperature is reduced

Raising The Standards



The exhaust pipe covers wrap around the exhaust pipes so that the exposed surface temperature is reduced. The exhaust pipes are insulated from the exhaust manifold to the muffler connection.

There are 4 basic components in the covers:

1. Interior material
 2. Exterior material
 3. Insulation between the interior & exterior materials
 4. Thread to sew the components
-
1. The interior material is made of a woven silica mat designed for heat shielding applications.
 2. The exterior material is made from high temperature aluminized fabric made from highly texturized silica based yarn. Vacuum metalized dual mirror finish aluminized Mylar film is bonded to one side of the fabric.
 3. The insulation between the interior and exterior materials is constructed of high temperature fiberglass mat.
 4. The materials are sewn together using Kevlar® stainless steel sewing thread. The Kevlar® stainless steel wire will maintain its strength to over 1000° F.

Exhaust Manifold Screens



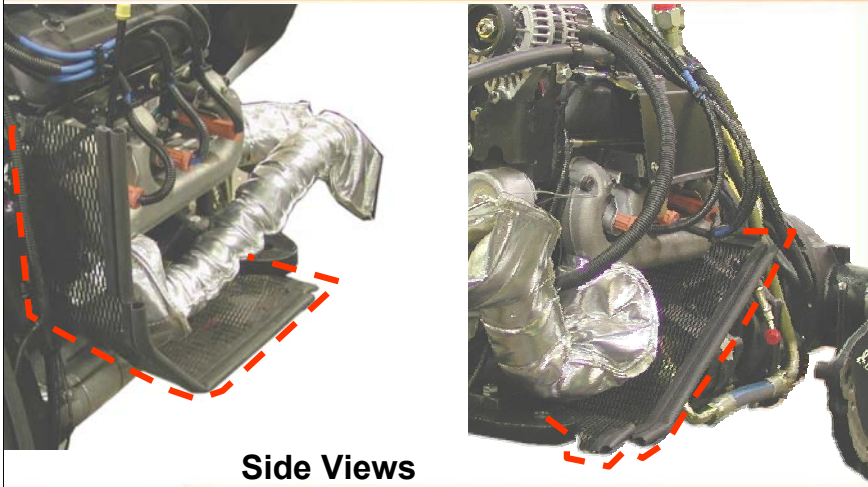
- **Restrict debris from coming in contact with the exhaust manifold**

Raising The Standards



Expanded metal screens about six inches below the manifold restrict debris from coming in contact with the manifold. The maximum opening sizes in the expanded metal are 3/8" to 1/2".

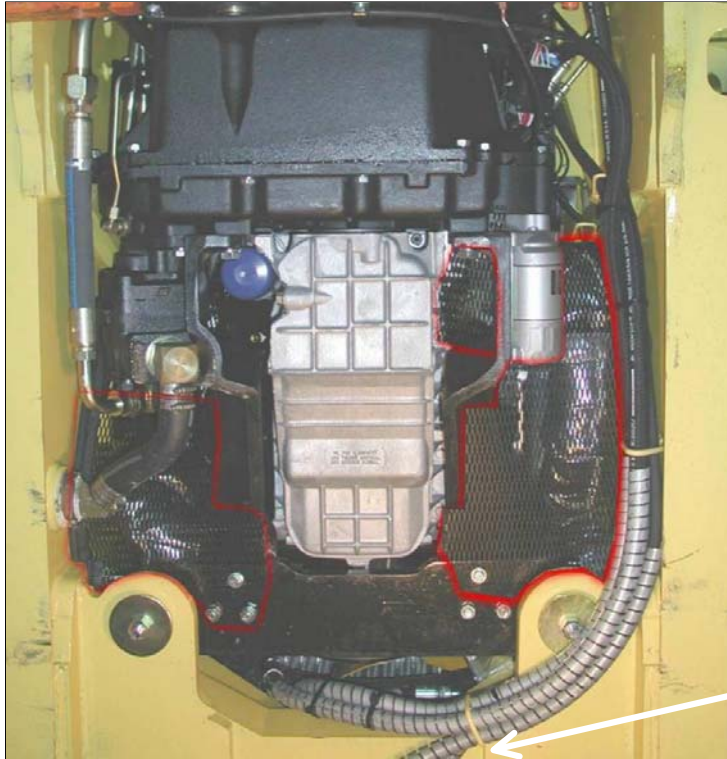
Exhaust Manifold Screens



Side Views

Raising The Standards





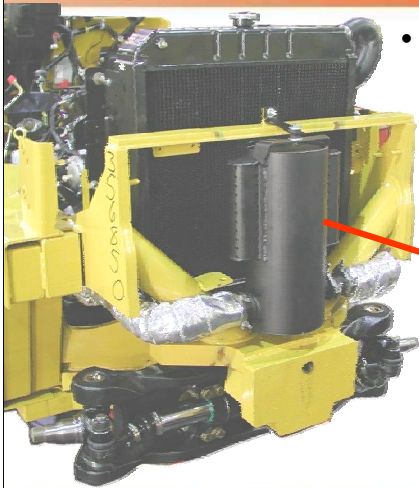
Exhaust Manifold Screens

View of screens
from beneath
the truck

Rear
of
Truck



Spark Arresting Muffler



- Diffusers inhibit sparks from exiting through muffler
 - Not available on trucks with overhead exhaust



Raising The Standards



The muffler is equipped with diffusers, which control gas exhausted from the muffler to keep sparks from exiting through the muffler. Not available on trucks with overhead exhaust.

Paper Industry Applications Option



- We recommend the use of this option in any paper industry application.

Raising The Standards

