



# Pito Mining Services

Registration No: 120230059648

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P.O.Box 10325  
Zambia

## **Company Profile for PITO Mining Services Zambia Limited**

### **Overview:**

PITO Mining Services Zambia Limited is a premier provider of top-tier mining equipment and comprehensive service solutions for the copper mining sector in Zambia. Founded in 2023, PITO Mining Services has established a reputation for delivering high-quality, reliable products and services that meet the challenging demands of the copper mining industry.

### **Mission:**

Our mission is to equip mining companies in Zambia with advanced technology and services that enhance production efficiency, ensure safety, and reduce environmental impact. We strive to be the preferred partner for mining companies aiming for sustainable growth and operational excellence.

### **Products and Services:**

**Mining Equipment:** We offer a broad range of mining equipment tailored for the Zambian mining, industry, including:

- Getman Mobile Utilities Equipment for Underground Mines
- OEM Earth Moving Parts
- OEM Underground Equipment & Drifter Parts/Rebuilds
- Fire Suppression Systems
- Air In-Take Solutions
- Thermal Shields
- Thermal Tire Covers
- Exhaust And Mufflers
- Interchangeable Fans
- Workshop Component Repairs and Fabrication/Machining Services
- Equipment Rebuilds

## GETMAN

Pito Mining Services is the appointed Getman Equipment distributor and dealer in Zambia and Central Africa for all Getman products, equipment sales, parts and service support.

Getman Corporation is a global supplier of mobile equipment, with over 70 years of experience in customer-focused solutions for the underground mining industry.



For additional technical product information and product data sheets, please follow this code.

GETMAN - PROSHOT™ CONCRETE SPRAYER



GETMAN - PROCHARGE 4000 MAXX





Pito Mining Services have added additional mining services support to our customer offering for all OEM equipment, below is a summary of our customer offerings on hand.



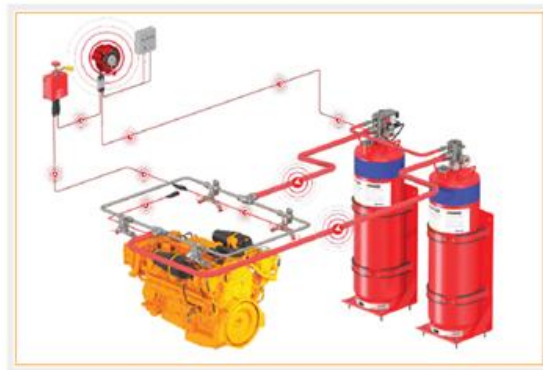
# MUSTER® Muster Foam Fire Suppression Systems

## OUR MISSION

At MusterFire International (MFI) we are passionate about protecting your people and your assets from the inherent risk of fire. Our range of Muster pre-engineered fire suppression systems are designed to provide rapid detection and activation to minimize the impact of a fire event.

## WHY MUSTER?

The Muster range offers multiple agents to provide the best solution to your specific risk. Our detection options allow for rapid detection in the risk areas identified during the fire risk assessment, thereby protecting your machinery and your all-important personnel.



- **24/7 Integrity Monitoring:** Muster systems are monitored by intelligent sensors which report to our unique alarm panel to ensure system integrity.
- **Single & Dual Agent Solutions:** Depending on the requirements of your equipment and the application, agents can either be used in a stand-alone installation or combined to cover multiple risk types on the same piece of equipment.
- **Certification & Compliance:** Each of our Muster systems and all related components are tested and approved by world-leading accreditation bodies to ensure regulatory compliance.
- **System Diagnostics:** The Muster Diagnostic Module allows technicians to see critical system status information including any faults which may be present. It also allows the capture of system events for download onto a laptop or PC in an easy-to-read format.



The Muster foam fire suppression system is ideal for protecting mobile machinery from hydrocarbon fuel fires. The foam fire suppression system is automatically activated when a fire is detected.



## MUSTER360

Muster360 is a dedicated cloud-based portal for use exclusively with Muster systems. It provides a framework for conducting a fire risk assessment, specifying system requirements, and defining a bill of materials.

- Fire Risk Assessment - Risk management plays an integral part in developing your equipment's fire system specification. Muster360 is designed to help you to identify and record all significant risks with your equipment, its associated operation and your relevant human resources operating the equipment.
- System Design - Muster360 provides a step-by-step process to define and ultimately design your required system, allowing the user to produce an indicative system layout. A full document pack including equipment information, fire risk assessment, scope and design information, a bill of materials and commissioning documentation is provided upon completion
- Commissioning - During installation all commissioning information can be captured in the document pack on the relevant pages. This commissioning information can then be entered into Muster360 to finalize the process.

## SUSTAINABILITY



MFI is committed to the care and conservation of the environment. Our products are designed with performance and industrial sustainability in mind, while being considerate of ecological impact. Our suppression agents are environmentally responsible and comply with environmental protection policies. We also strive to make a positive impact in the communities in which we operate and contribute to the preservation of endangered species.

## SYSTEM SUPPORT

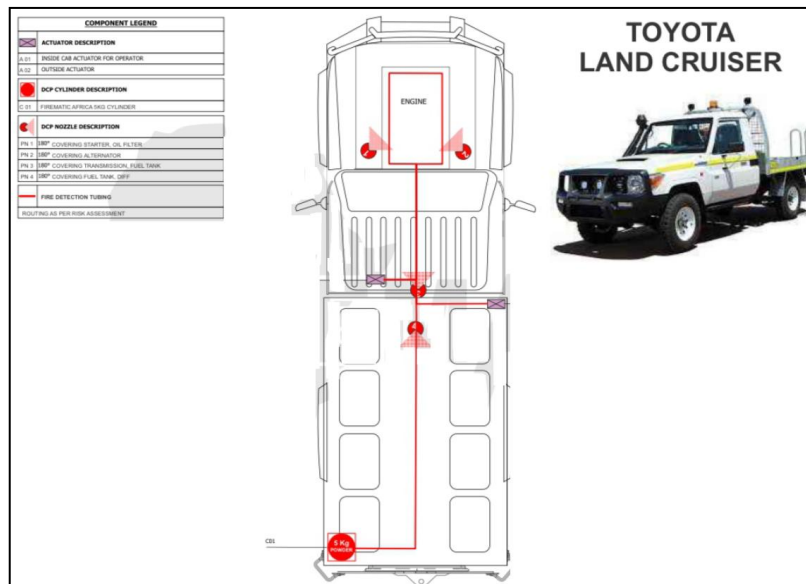
*Muster Fire Suppression Systems are fully supported internationally through a network of fully trained and authorized distributors*



### Mantech Light Vehicle System

Mantech systems are fully automatic, with manual override, and will protect the LV / operator even with the machine unattended, or operator Incapacitated. The LV system can be adapted to fit all types/models of mine site vehicle

Vehicle fire suppression systems are crucial safety components designed to protect lives, property, and assets from the devastating effects of vehicle fires in commercial fleets. The Mantech Fire suppression system is a reliable cost-effective solution to protect assets.





### EX3600 & 5500 BACKHOE TOP HAT BUSH



- Specifically focused on the Hitachi EX3600 and EX5500 backhoes
- Enhanced Performance solutions for the pin and bushing connections:
  - Boom to Stick
  - Stick to Bucket
  - H-Links and Dog Bones

### The problem with OEM style bushings



- Thrust plate/washer hardness and material issues causing significant wear and exposure of dowels and bolt heads. Extremely difficult to remove
- Excessive wear due to improper hardening, leading to elimination of grease grooves and rapidly accelerating pin to bushing wear
- This type of wear causes a 'floppy bucket' and will damage the stick and boom to the frame. Cracking and complete failure of these parts is common, due to this 'floppy bucket'



### The outdated and costly repair method



- Welding the bores prior to line boring. This puts significant heat stress on the components, further weakening them
- Line boring operations are very time consuming and can be done improperly, causing alignment issues





## Thiess Mongolia – 1+ year of service Inspection

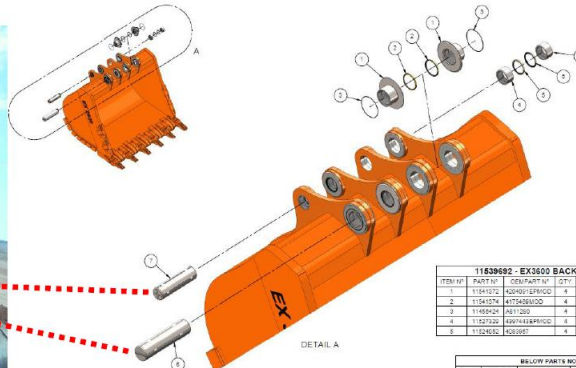


- With over 8,000 hours of service, Thiess inspected the Top Hat Bushings



- These bushings were re-used without any concerns as there was no discernible wear
- When it's time to change the bushings, no welding or line boring will be required to insert a new set

## EX3600 BACKHOE TOP HAT BUSH BUCKET REFURBISHMENT KIT

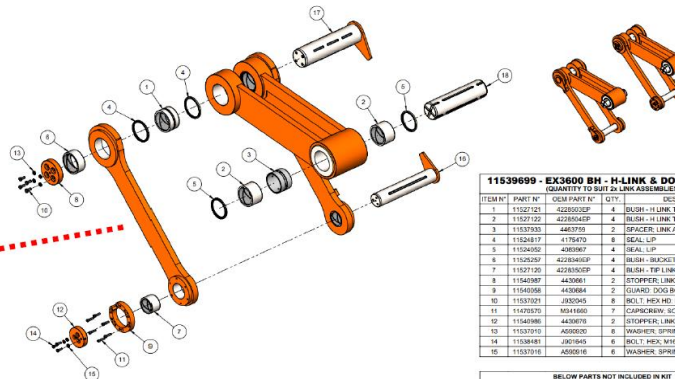


ITEM	PART NO.	QTY	DESCRIPTION
1	1154121	4	BUSH - BUSH TO STICK TOP HAT BUSH KIT
2	1154124	4	SEAL LIP - TOP HAT BUSH KIT
3	1154124	4	SEAL LIP - TOP HAT BUSH KIT
4	1154124	4	SEAL LIP - TOP HAT BUSH KIT
5	1154124	4	SEAL LIP - TOP HAT BUSH KIT
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Pins are separate from the kit to support refurbishment location vs. installation location

## EX3600 BACKHOE H-LINK & DOG BONE REFURBISHMENT KIT - with EP bushes



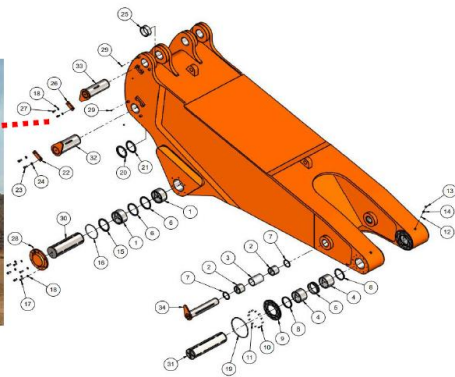
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## EX3600 BACKHOE STICK REFURBISHMENT KIT – with EP bush



11541036 - EX3600 BH - STICK KIT				
ITEM N°	PART N°	QTM PART N°	QTY.	DESCRIPTION
1	11532515	420646P	4	BUSH - STICK TO BOOM
2	11527123	422855EP	4	BUSH - STICK TIPPING LINK
3	11535555	423591	2	PIPE SPACER
4	11532132	423545	4	BUSH - JOINT ARM TO BUCKET
5	11527126	439725EP	2	SPACER - STICK BUSHES EP
6	11532536	419409	4	SEAL O-RING
7	11477379	414324	4	SEAL O-RING
8	11495533	417449	4	SEAL O-RING
9	11535567	3058846P	4	PLATE THROUST
10	11426754	44817220	24	CAPSCREW SOCKET M18X20
11	11535128	401780	20	PIN PINCO
12	11537011	75481	3	PETROL GREASE
13	11537012	410952	2	CAP
14	11537013	410956	2	COLLAR
15	11535569	414338	2	RING SPACER BOOM PIN
16	11537120	401139	4	SHIM
17	11535568	403255	24	BOLT HEX HD M20X55
18	11537010	400920	28	WASHER SPRING
19	11535568	445506	4	O-RING
20	11535569	423530	2	PLATE SPACER RING
21	11537005	419527	2	PLATE PIN BOOM
22	11537006	912528	2	PLATE PIN BOOM
23	11537008	403445	4	BOLT HEX HD M24
24	11537009	400924	4	WASHER SPRING M24
25	11535569	423530	2	SPACER
26	11535567	417449	2	PLATE LOCKING
27	11537011	403046	4	BOLT HEX HD M20 X L15.8
28	11535569	402111	2	PLUG S.S. EPPT
29	11537008	403176	8	CONK

BELOW PARTS NOT INCLUDED IN KIT				
ITEM N°	PART N°	QTM PART N°	QTY.	DESCRIPTION
30	11537011	301334	2	PIN BOOM ARM
31	11540470	301446	2	PIN STICK TO BUCKET
32	11537012	604648	2	PIN BOOM CYL TO STICK
33	11535568	604648	2	PIN CYL STICK TO LINK
34	11527127	607679	2	PIN LINK TO STICK

"With over 50,000 parts catalogued to suit a diverse range of surface and underground machines, Geographe can provide what you need for your mining fleet."



## MOBILE PLANT

### MACHINERY SUPPORTED

	TRUCK	LOADER	EXCAVATOR	DOZER
<b>CAT</b>	777, 785, 789, 793, 797, MT3300, MT3700, MT4400, MT6300	992 & 994 SERIES	6030, 6040, 6050, 6060, 6090	D10 & D11 SERIES
<b>KOMATSU</b>	HD785, 730, 830, 930	WA900, WA1200	PC1100, PC1250, PC2000, PC4000, PC5500, PC8000	
<b>LIEBHERR</b>			R9200, R9250, R9350, R9400, R9800, R994, R996	
<b>HITACHI</b>			EX1100, EX1200, EX1800, EX1900, EX2500, EX2600, EX3500, EX3600, EX5500, EX5600, EX8000	

The above list is not exhaustive and we carry other parts to suit Mobile Plant applications.



**MAMMOTH**

## Mammoth Exhaust, Air Intake Solutions

Pito Mining Services are agents for Mammoth products.

Mammoth is the global leader in manufacturing innovative exhaust & emission systems for mobile mining equipment.

Established in 1974, Mammoth's remarkable growth is underlined by over 50 years of experience delivering innovative integrated solutions to our clients.

- **Air Intake Solutions.**

### EQUIPMENT SOLUTIONS – AIR INTAKE

**DIRECT FIT AIR INTAKE SOLUTIONS:**


- Airboxes, pre cleaners and pipework with OEM cross reference.
- Quality made parts
- Bolt on replacement
- Custom upgrades and extended service life solutions
- Significant cost savings up to 40% on product
- Improved product lifetime – 12-24months

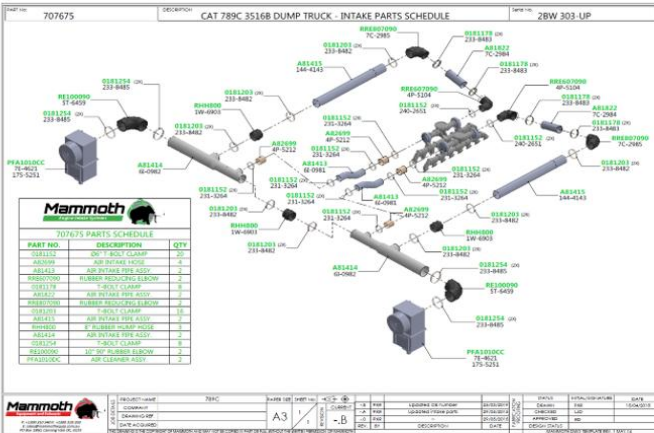







### EQUIPMENT SOLUTIONS – AIR CLEANER





PART NO.	DESCRIPTION	QTY
0010000	1" BOLT CLAMP	10
0010001	1" BOLT CLAMP	10
0010002	1" BOLT CLAMP	10
0010003	1" BOLT CLAMP	10
0010004	1" BOLT CLAMP	10
0010005	1" BOLT CLAMP	10
0010006	1" BOLT CLAMP	10
0010007	1" BOLT CLAMP	10
0010008	1" BOLT CLAMP	10
0010009	1" BOLT CLAMP	10
0010010	1" BOLT CLAMP	10
0010011	1" BOLT CLAMP	10
0010012	1" BOLT CLAMP	10
0010013	1" BOLT CLAMP	10
0010014	1" BOLT CLAMP	10
0010015	1" BOLT CLAMP	10
0010016	1" BOLT CLAMP	10
0010017	1" BOLT CLAMP	10
0010018	1" BOLT CLAMP	10
0010019	1" BOLT CLAMP	10
0010020	1" BOLT CLAMP	10

## Exhaust and Mufflers

### EQUIPMENT SOLUTIONS – EXHAUST AND MUFFLERS



#### Paints and Coatings

Mammoth uses the highest grade exhaust paint specifically designed to withstand temperatures up to 500°C.

This silicon based coating prevents rusting during a shutdown or when the equipment is exposed to moisture.



**New Mammoth Exhaust Tube**  
Full aluminized steel construction with two full coatings of paint

**New Competitor Exhaust Tube**  
Mild Steel construction and rust showing on inside skin through light single paint coat

### EQUIPMENT SOLUTIONS – EXHAUST AND MUFFLERS



#### Continuous Weld

Mammoth exhaust tubes and mufflers are manufactured using continuous weld practices.

Stitch welds are a common failure point on many exhaust systems which continuous welding practices mitigates.

Proven to increase product life by 30 – 50%



### EQUIPMENT SOLUTIONS – EXHAUST AND MUFFLERS



#### Fittings and Flanges - Solid Fittings

Mammoth uses solid machined fittings over against spun metal flanges.

This prevents crushing from overtightening and mitigates fatigue caused by misalignment.

Solid fittings are proven to mitigate flange failure entirely



Standard Tube Flanges – Easily buckled and cracked





## PRODUCT CONCEPT

Multi-Wing designs industrial axial fans for the worldwide Ventilation, Cooling and Industrial Heat Exchanger markets. Our innovative system of standard, interchangeable components uses a broad range of blade profiles and materials. The result: axial fans tailored to your specific requirements with superior low-noise performance, outstanding engineering support and short lead times.



**INNOVATIVE  
DESIGN**



**HIGH  
PERFORMANCE**



**MODULAR  
FLEXIBILITY**



**LOW NOISE  
OPERATION**

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# Airfoil Series

## THE ANSWER IN AIR-MOVING APPLICATIONS

Saves Power. Reduces Noise. High Efficiency.  
Low-noise Signature and Low-power Consumption.  
Available in live blade materials. Customized to your specification.









Multi-Wing's airfoil profiles provide uniform, high-volume air-flow with low power consumption for optimum efficiency. The airfoil's twisted design reduces turbulence across the blade's surface, resulting in low-noise impellers. Our airfoil series is widely used in the ventilation and cooling industries along with engine cooling applications where requirements are more demanding.

**Multi-Wing's airfoil fans are the answer for virtually any air-moving application.**

Our airfoil profile's twisted blade creates a broad operating range, making it suitable for everything from the most demanding engine-cooling applications to simple ventilation.

## Axial FAN Series

PROFILES					
H	Z	W	G	C	VK
					
2H 3H	3Z 4Z 5Z	5W 6W 7W 9W	10G	3C	502 6-6 VKL 560 8-8 VKR 790 9-9 VKL
225-742	225-1268	504-1981	1210-2746	405-792	360-760
Diameters min. - max. (mm)					



## APPLICATIONS

Cooling towers  
Engine cooling  
Heat exchangers  
HVAC  
Refrigeration

## Repair and Fabrication Works

Pito Mining Services offer the follow additional services:



- Plasma Cutting.
- CNC Machining
- Structural Fabrication Works
- Hydraulic Pump & Motor Recon/Supply.



Kind Regards

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