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#### LAD INSPECTION SERVICE

Fletcher is pleased to introduce a new inspection service designed specifically for our LAD (Ladle Access Device) systems. This service provides a structured and thorough assessment of your equipment's condition, helping to identify alignment issues,



wear patterns, and other concerns that could impact safety, performance, or longevity of the machine.

The goal of this inspection is to give operators and maintenance teams a clearer understanding of how the machine is functioning day to day. We recommend performing this service on a quarterly basis as part of a preventive maintenance plan. This approach will not only improve reliability but also allow you to schedule service during planned downtimes, helping you avoid the stress and cost of emergency repairs.

Each inspection includes a visual review of key components, along with operational and diagnostic checks. In addition, our service representatives will perform standard filter changes, collect hydraulic oil samples for analysis, and provide full-system greasing. This quarterly service is intended to keep your LAD system operating smoothly and safely throughout its service life.

To learn more or schedule your first inspection, contact your Fletcher service representative or visit our website.

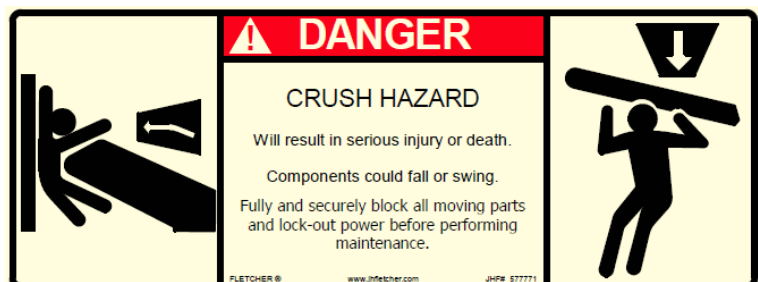
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#### SAFE OPERATING PROCEDURES REVISITED: SECURING

#### COMPONENTS FOR MAINTENANCE

It is important from time to time to revisit topics from past newsletters and information bulletins to ensure newer employees are aware of hazards associated with operating our equipment. At this time, we feel it is important to reiterate the importance of fully blocking, cribbing, or otherwise securing all moving components in the area in which you will be working and locking out / tagging out (LOTO) the machine before performing maintenance. Do not rely solely on sprags when performing maintenance. Failure to secure moving parts could result in serious injury or death due to swinging or falling components. To help reinforce this message, please ensure that safety tag JHF# 57771 is installed somewhere on each boom. If the machine is designed to be accessible from either side of the boom, those machines will be equipped with a tag on either side of the boom.

To learn more about this topic and other maintenance safety practices, visit <https://www.jhfletcher.com/bulletins> and review our safety bulletins. For posters addressing this hazard and others, visit <https://www.jhfletcher.com/safetyposters> to request materials for your site.



## FLETCHER HIGH REACH SCALER SIMULATOR

We are announcing the release of the new Fletcher High-Reach Scaler simulator.

Set in an underground mining environment, the state-of-the-art High-Reach Scaler simulator creates a realistic environment for operators. The Fletcher Simulators system features authentic Fletcher controls and machine exercises developed so operators can learn real-world Scaler applications in the safety of a virtual environment. The simulator provides multiple exercises, a motion system to help operators learn tipping points, and VR, which gives learners greater depth perception while practicing maneuvers and techniques.

The multiple exercises teach operators to conduct a proper pre-operation machine inspection, ensuring operational conditions. Operators learn correct start-up and shut-down procedures and how to accurately and efficiently remove loose or unstable rock and debris from tunnel walls and roofs with the Scaler, helping to ensure mine site safety and prevent falls or collapses before other machines and workers enter the area.

The exercises also include teaching learners how to safely and effectively tram the Scaler, position the machine, scaling operations, and much more. While operators practice their newly learned skills, the system's built-in reporting software, SimU Campus™, records their simulation sessions and generates reports on an easy-to-read, user-friendly dashboard.

"Mining is evolving, and so must the tools we use," said Ben Hardman, Fletcher® Vice President of Sales. "The new 4250-RD High Reach Scaler Simulator bridges education and industry, providing next-generation insights that empower professionals, operators, and students to lead the way in responsible and efficient mining."

The system also features a companion SimScholars® online curriculum, a one-to-one match with the simulator exercises, which can be used in the classroom or for remote learning. The interactive, turn-key curriculum solution features instructor guides, videos, quizzes and more. By integrating SimScholars curriculum, operators experience a unique, blended learning experience.

Correct machine operation leads to increased safety, production, and cost savings. Simulation is a safe alternative to using actual machines to orient operators on mining equipment. Learners can practice anytime and anywhere using the Fletcher Simulators High-Reach Scaler simulator. There is no need to take a machine out of production or, most importantly, worry about the operator's safety.



## LIFTING BOOM SAFETY

J.H. Fletcher & Co. designs and manufactures many machines that consist of booms that lift (raise) in the air. These machines are equipped with boom lift cylinders to raise and lower the boom assemblies.

J.H. Fletcher & Co. has designed our lifting booms and boom lift cylinders to be as safe as possible.

Per industry standards, most boom lift cylinders are equipped with load locking devices to ensure the booms stay in position should the operator release the controls or should the machine lose power. These load locking devices are either check cartridges or counterbalance cartridges. These cartridges are installed directly on the cylinders. By installing these cartridges directly on the cylinders, the risk that a hose failure between a cylinder and a load locking device has been eliminated. There may be a couple of models of machines, primarily certain models of scalers, where it is not practical to have load locking devices because the boom needs to have "some give to it" to operate properly. To determine if your machine's boom lift cylinder(s) has load locking devices, refer to your machine's Parts Catalog and / or hydraulic circuit.

In addition to providing load locking devices, the boom lift cylinders are also designed to have a Factor of Safety of 4:1 such that the burst pressure is four times the maximum recommended operating pressure.

While J.H. Fletcher & Co. takes every design precaution possible to ensure the lifting booms operate safely, there are things that can occur that could cause failures of the boom lift cylinders (or any other cylinders installed on the machine). Cylinders can fail due to contamination in the hydraulic oil, due to seal failure, due to machining / tooling failures during the manufacturing process, due to misuse of the machine, etc.

To help lessen the probability of an accident occurring due to cylinder failure, J.H. Fletcher & Co. makes the following recommendations for maintaining, troubleshooting, and servicing the boom lift cylinders:

- 1) Always maintain any hydraulic filters installed on the machine (pressure and/or return line filters). Replace hydraulic filter elements when dirty.
- 2) When adding oil to the machine, always pass the oil through a filter. Most J.H. Fletcher & Co. machines are equipped with an oil fill filter for this purpose.
- 3) If wet drilling and water gets into the oil reservoir, shut down the machine immediately, repair any components that cause water to enter the system, drain the hydraulic tank completely to remove the contaminated oil, and replace with clean oil.
- 4) When operating the equipment, always perform the Power-Off Safety Checklist and perform a visual inspection of the machine. During this inspection, ensure all cylinders have their pins installed properly and any pin retainers are properly installed. The operator should look for any damage to the cylinders, look for any missing cartridges on the cylinder, etc. if any issues are observed, the operator must not operate the machine and must inform his/her supervisor or maintenance personnel of the issue.
- 5) When operating the equipment, always perform the Power-On Safety Checklist found in the Operator's Manual for your machine. This list includes items like running all functions and ensuring the components operate the way they are supposed to. If the operator notices anything is not working properly during the Power-On Safety Checklist (or anytime while operating the machine), the operator must shut down the machine and inform his/her supervisor or maintenance personnel of the issue.

#### **LIFTING BOOM SAFETY CONT.**

- 6) No one should ever stand underneath a lifting boom during machine operations.
- 7) When operating the equipment, the operator must stay alert, and if the operator hears any concerning noises, notices any changes in the way the equipment is operating, etc., then the operator must shut down the machine and inform his/her supervisor or maintenance personnel of the issue.
- 8) The operator must only use the equipment in the ways outlined in their machine's Operator's Manual. Never use the machine as crane. Never have more operators on a platform than is permitted (if more than one operator is permitted on a platform, a tag will be installed on the machine stating how many operators are permitted or provide a weight limit; if no tag is installed, then the platform was designed for a single operator). Never swing, lift, or extend the boom into the rib or roof or tram the boom(s) into the ribs.
- 9) When troubleshooting lifting booms (particularly boom lift, boom swing, or boom extend functions), if machine is equipped with controls back on the chassis or in the cab, maintenance personnel should use those controls for troubleshooting rather than getting on a platform where a potential hazard exists.
- 10) If multiple people are troubleshooting a machine, such as one person in the cab operating the controls while someone else observes from the ground, good communication is a MUST. Before troubleshooting, determine how you plan on communicating (hand signals, walkie-talkies, cell phones, etc.).
- 11) If multiple people are troubleshooting a machine, such as one person in the cab operating the controls while someone else observes the boom(s) from the ground, the person operating the controls must know where all other personnel are at all times. Never operate the boom without knowing where the bystanders are located.
- 12) When troubleshooting, no one is to ever stand beneath the boom(s).
- 13) When troubleshooting, stand a safe distance away from the boom(s) and always stay alert. Listen and watch for any signs of component failure and be prepared to communicate any issues to others in the area.
- 14) During maintenance, if the boom lift cylinder (or any other cylinders or components need to be replaced), always properly block/crib or otherwise secure any parts that could potentially move when servicing or replacing components. Do not rely on sprags to hold components in place. Always properly support any components with potential for movement.
- 15) When performing maintenance, always properly shut down the machine and perform Lock-out Tag-out procedures.
- 16) During maintenance, always allow the hydraulic oil time to cool before disconnecting any hydraulic components.
- 17) During maintenance, always be aware that hydraulic hoses may contain hydraulic oil under pressure and follow proper procedures for releasing any pressure in the line.
- 18) Only properly trained maintenance personnel are permitted to troubleshoot and service J.H. Fletcher & Co. equipment.



#### UPCOMING TRADE SHOWS

KMI KY Mine Rescue **AUG 11-14**

Bluefield Coal Show **SEPT 9-15**

#### LINE BORING SERVICES

JH Fletcher & Co. knows the need for pin fit repairs after the abuses from underground mining. We are pleased to announce that we now offer a field line bore crew for your line bore needs. Ask your Service or Sales Representative for more information!



#### UPDATING CUSTOMER INFORMATION

J.H. Fletcher & Co. is reaching out and requesting contact information from our customers, so we can ensure our customer database is current. Having an accurate database helps us keep you, the customer, up-to-date with company news relevant to your Safety Department, Maintenance Department, Management, and / or Equipment Operators. By updating your contact information, you will improve our ability to effectively communicate with your company and the appropriate personnel who require our notifications.

To make this process simple, we've included a short link below that will lead you to the contact form. We kindly ask that you pass this along to the appropriate departments / personnel for completion, including equipment operators who may wish to receive updates. In appreciation of your time, everyone who completed the form by November 30, 2025 will be entered into a drawing to win a \$50 gift card to use at our Company Store. We appreciate your cooperation and look forward to enhancing our service and support for your team!

<https://zfrmz.com/TFDw0zf0XVEbKnLjXbN2>

#### FOLLOW OUR SOCIALS

Follow all divisions of J.H. Fletcher & Co. and Cannon Mining Equipment across social media like Facebook, Instagram, and LinkedIn to obtain up-to-date information like job opportunities, giveaways, upcoming appearances and more.



**@FletcherMiningEquipment**

**@FletcherEngSol**

**@CannonMining**

Did you know you can also find J.H. Fletcher & Co. videos on YouTube? Click below for machine demos and more!



#### J.H. FLETCHER & CO. WEBSITE

Visit our website at [www.jhfletcher.com](http://www.jhfletcher.com) for news, product information and contact details. Looking for other helpful content? Our site also contains additional useful materials which can be found at any of the links below:

- [Resources](#)- Bulletins, safety posters, newsletters, maintenance procedures, and more!
- [Careers](#)- Current job openings & a link to the employment application.
- [Customer Survey](#)- Tell us how we're doing!

#### DISCLAIMER

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