



**Preoperational Checklist for Cones**

Form must be attached to the Warranty Registration Form located at <https://dealers.aggretek.com/limited-warranty-registration/>

**IMPORTANT**  
Warranty will be void if this registration is not returned within ten (10) day after the equipment is put into service.

Date Put Into Service	Hours on Unit	Sale <input type="checkbox"/>	Lease <input type="checkbox"/>	Rental <input type="checkbox"/>	Unit Serial Number	Engine Serial Number	
Job Order	Dealer Order Number			Unit Model		Has engine been registered with respective manufacturer? Yes No <input type="checkbox"/> <input type="checkbox"/>	
Dealer Name	Dealer Signature			Date	City	State	Zip
Owner/Lessee	Signature			Date	City	State	Zip

**IMPORTANT**

Preoperational check must be completed as part of warranty registration. The preoperational check should also be performed any time the equipment is moved to a new site, changed renters, or if it has been in storage for an extended period. Check each component to ensure that it is in operational condition. This check should include, but is not limited to, the following items:

Mark the appropriate yes/no box indicating that the following items have been checked or reviewed

Yes No

Has the 1 year/2000 hour Warranty Policy been reviewed with the customer?

Are the operation manual and parts book on site? (Manuals are shipped in the wooden crate with every piece of equipment. See inventory checklist.)

Have the operation manual and parts book been reviewed with the customer?

Has the operator been advised about proper safety precautions regarding the following:

Yes No Yes No Yes No

Lockout Tagout   Hearing protection   Hard Hat Protection

Yes No Yes No

Eye Protection   Loose Clothing

## Preoperational Checklist for Cones

### PRIOR TO STARTUP CHECK THE FOLLOWING ITEMS

Mark the appropriate yes/no box indicating that the following items have been checked or reviewed  
 Yes No

- Has the crusher been inspected for damage prior to start up?  
 a. If damage was found, list damage and provide pictures. \_\_\_\_\_
- Are all parts/tools accounted for?  

	Yes	No		Yes	No		Yes	No
Mantle wrench	<input type="checkbox"/>	<input type="checkbox"/>	Lifting eye	<input type="checkbox"/>	<input type="checkbox"/>	Relief valve setting tool	<input type="checkbox"/>	<input type="checkbox"/>
	Yes	No		Yes	No		Yes	No
- Oil sample kit   Bin level sensor   Allen wrench    

	Yes	No		Yes	No
	Yes	No		Yes	No
- One extra filter   Green communication cable
- Is the crusher level? Method used to check? \_\_\_\_\_
- Lube oil and hydraulic oil level checked?
- Remove guard and check if crusher drive sheaves are in alignment?
- Drive belt tension checked? What brand and model of drive belts? \_\_\_\_\_
- Does cone head spin by hand in a clockwise direction looking down from top?  
 List if Pin or Hydraulic Brake? \_\_\_\_\_
- Have the wood transport blocks been removed?
- Are there any leaks observed?
- Are all guards in place?

Mark the appropriate yes/no column box that the following items have been checked or reviewed

### STARTUP BEFORE MATERIAL IS RUN

- |                          |                          |   |                       |                          |                          |               |                          |                          |
|--------------------------|--------------------------|---|-----------------------|--------------------------|--------------------------|---------------|--------------------------|--------------------------|
| Yes                      | No                       |   |                       |                          |                          |               |                          |                          |
| <input type="checkbox"/> | <input type="checkbox"/> | Have all motors been checked for proper rotation? |                       |                          |                          |               |                          |                          |
|                          | Yes                      | No  |                       | Yes                      | No                       |               |                          |                          |
| Lube                     | <input type="checkbox"/> | <input type="checkbox"/>                          | Crusher Drive         | <input type="checkbox"/> | <input type="checkbox"/> | Feed Conveyor | <input type="checkbox"/> | <input type="checkbox"/> |
|                          | Yes                      | No  |                       | Yes                      | No                       |               | Yes                      | No                       |
| Feed Conveyor            | <input type="checkbox"/> | <input type="checkbox"/>                          | Under Crusher Conveyo | <input type="checkbox"/> | <input type="checkbox"/> |               |                          |                          |

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Mark the appropriate yes/no column box that the following items have been checked or reviewed

### STARTUP BEFORE MATERIAL IS RUN

Yes    No

- What is the Tramp Iron Relief pressure? \_\_\_\_\_ Bowl Clamp pressure? \_\_\_\_\_
- Are the Tramp Iron Relief and Bowl Clamp pressures steady and maintain pressure?
- Does the hydraulic pump shut off after 2 minutes once hydraulic demand has been satisfied?
- What is the lube flow in gallons per minute? \_\_\_\_\_
- What is the pinion rpm? \_\_\_\_\_
- Does the bowl rotate up and down?
- With the crusher off, does the clear function work?
- Does the crusher start and stop correctly?
- Does the e-stop function correctly?
- Does the horn sound on startup of the crusher?
- Are all the sensors displaying data correctly:

	Yes	No		Yes	No		Yes	No
Lube Flow	<input type="checkbox"/>	<input type="checkbox"/>	Lube Temp	<input type="checkbox"/>	<input type="checkbox"/>	Amps	<input type="checkbox"/>	<input type="checkbox"/>

	Yes	No
Transducers on manifold match MILO display?	<input type="checkbox"/>	<input type="checkbox"/>

Yes    No

- What is the CSS set at? \_\_\_\_\_
- What size rock will be crushed? \_\_\_\_\_
- What liners are in the crusher? \_\_\_\_\_
- What is the lube oil temp? \_\_\_\_\_
- Are there any oil leaks?

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Mark the appropriate yes/no box that the following items have been checked or reviewed

### STARTUP BEFORE MATERIAL IS RUN

- | Yes                      | No                       |  |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Are there any strange sounds?  |
| <input type="checkbox"/> | <input type="checkbox"/> | Does the crusher vibrate excessively?  |
| <input type="checkbox"/> | <input type="checkbox"/> | What is the amp draw or the engine load %? _____                                     |
| <input type="checkbox"/> | <input type="checkbox"/> | Does the cone head spin while operating? (If yes, shear bolts in brake are broken).  |
| <input type="checkbox"/> | <input type="checkbox"/> | Does lube flow shut down the crusher (Disconnect encoder and try to start crusher)?  |
| <input type="checkbox"/> | <input type="checkbox"/> | Does low TIR pressure shut down the crusher (Open NV1 until MILO displays message)?  |
| <input type="checkbox"/> | <input type="checkbox"/> | Tramp Iron Sensors on bottom of Upper Assembly bolted on and yellow cables attached? |

Mark the appropriate yes/no box indicating that the following items have been checked or reviewed

### OPERATION OF THE CRUSHER

- | Yes                      | No                       |  |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Is feed material centered on the cone?   |
| <input type="checkbox"/> | <input type="checkbox"/> | What is the drop height? _____   |
| <input type="checkbox"/> | <input type="checkbox"/> | Is the crusher choke fed and the top of the cone not visible when rock is present? |
| <input type="checkbox"/> | <input type="checkbox"/> | What is the amp draw or the engine % load when the choke is fed? _____             |
| <input type="checkbox"/> | <input type="checkbox"/> | Can the CSS be adjusted when crushing rock?  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is there any evidence of bowl float?   |
| <input type="checkbox"/> | <input type="checkbox"/> | As rock is introduced, does the cone head rotate clockwise?                        |
| <input type="checkbox"/> | <input type="checkbox"/> | What is the approximate recirculation load if in closed circuit? _____             |