

APPLICATION ANALYSIS FORM

Completion of this sheet will help our engineers select the crusher best suited to your requirements.

www.bohringerinc.com



121 Main Street, STE 140
Mainstreet, Northport NY 11768. USA.
(631) 262 7211
bohringerusa@gmail.com

COMPANY: _____

DATE: _____

ADDRESS: _____

PROJECT: _____

CITY: _____

PROJECT LOCATION: _____

STATE: _____ ZIP: _____ COUNTRY: _____

NAME AND TITLE: _____

PHONE: _____

PROJECT REFERENCE NUMBER: _____

FAX: _____

E-MAIL: _____

1. MATERIAL DESCRIPTION

- a. Material: _____
- b. Bulk Density: _____
- c. Moisture: _____ %Total _____ %Surface _____
- d. Compressive Strength (PSI) _____
- e. MOH Hardness/Hardgrove Index: _____
- f. Material Temperature: _____ Degrees F: _____ Degrees C: _____
- g. Material is:
- | | | |
|---------------------|------------------------|----------------------|
| Free-Flowing () | Sticky () | |
| Non-Abrasive () | Mildly Abrasive () | Very Abrasive () |
- h. Other Characteristics: _____
- _____
- _____

2. APPLICATION REQUIREMENTS

- a. Mining Method or Process Source: _____
- b. Feed Size (Maximum): _____ X _____ X _____
- c. Desired Product Size (State size and % passing): _____
- d. Is product size material removed from feed prior to crushing? _____
- What percentage is removed? _____
- e. Are fines: () desirable () undesirable () no preference
- If undesirable, at what size? _____
- f. Can external screens be used to return oversize to crusher (closed-circuit)? _____
- g. Capacity desired (tons per hour): _____

3. GENERAL INFORMATION

- a. Crusher will: () replace existing equipment () be used in new operation
- b. Project is: () study for feasibility or budget purposes
- () funded for purchase. Expected purchase date: _____
- c. Delivery is required by: _____

4. OTHER INFORMATION WHICH MAY BE OF VALUE

5.
EFFICIENCY

Mechanical and electrical inspection. We, carry out thorough inspections of equipment to accurately determine the operating condition. These inspections typically look for potential hidden failures such as stress cracking and abnormal wear, leaks, excessive consumption, excessive vibrations, abnormal temperature and noise. We also carry out non-destructive testing of critical components. After the inspection, we provide a detailed report highlighting any issues found, the needed actions to be taken and maintenance recommendations.

6.
AUDIT

Equipment audit Small adaptations and adjustments to equipment can have large results by dramatically improving process performance. With our equipment audit service, we review your existing equipment configuration and make recommendations on how the equipment can be upgraded or modified in order to better your process goals and performance potential. You gain access to a team of plant experts with process knowledge that helps you get the most out of your operations and stay ahead of the field.

7.
INVENTORY
OPTIMIZATION

Inventory optimization

Your fleet needs to have the right spares on hand when you need them. Through our expert examination of your site equipment and operations, we can provide inventory recommendations for critical parts. Just- in-time stock can also be held at our local affiliate facilities to ensure you do not have unexpected delays in waiting for important spares.

8.
SHUTDOWN
PLAN

Shutdown planning and support

We can assist in the planning and execution of shutdowns to reduce downtime and can also offer on-site supervision and technical support, helping to ensure fast and safe shutdowns. We can also audit your current shutdown practices in order to provide improvement recommendations for wear part change-outs or major maintenance events.

9.
**MECHANICAL
SERVICE**

On demand mechanical services. When you have an issue or a mechanical problem, it is important that it is resolved quickly and production is restored as soon as possible. Our teams are supported by a global service network, extensive technical library and knowledge centers to ensure our engineers have the know-how and tools they need to solve your problem quickly and efficiently.

10.
**FAILURE
ANALYSIS**

Root cause failure analysis (RCA). If a failure occurs, it is likely symptom of a deeper underlying problem. Our experts will assist you in investigating the issue and pinpoint the root cause. Our engineers' detailed technical knowledge, operational data and vast experience gained from similar cases at hundreds of quarries and job sites worldwide, result in thorough and accurate analysis.

11.
**ENGINEERED
SOLUTIONS**

Engineered upgrades. We can help identify upgrade options for machines and control systems. We can assist with the planning stage and also through the implementation and execution of the complete project. With access to OEM drawings and specifications, as well as our team of expert design engineers, you can be sure that the upgrades will be carried out to the highest standards.

12.
KNOWLEDGE

Know How Working closely with our customers globally for many years has given us the unique advantage of learning from a wide variety of operational situations. This has allowed us to develop world-leading expertise in all areas we serve. Whether we deliver a single product or take comprehensive responsibility for a complete business process, our knowledge guarantees that we can help you maximize your performance. As the world changes, we can help our customers adapt and sustain that performance.

AUDIT:

13.

HOPPER

Item No.	Equipment Description	Tag #	Serial No.	Qty	Machine size

14.

FEEDER

Item No.	Equipment Description	Tag #	Serial No.	Qty	Machine size

15.

CRUSHER

Item No.	Equipment Description	Tag #	Serial No.	Qty	Machine size

16.

ELECTRICAL
PANNEL

Item No.	Equipment Description	Tag #	Serial No.	Qty	Machine size

NOTES:

19.

GENERAL
INFORMATION

Item No.	Equipment Description	Tag #	Serial No.	Qty	Machine size

18.

INSTALLATION

Item No.	Equipment Description	Tag #	Serial No.	Qty	Machine size

19.

GENERAL INFORMATION

GENERAL NOTES:

[illegible]

20.

SUMMARY

Signature: Superintendent on Duty:

Date:
