Diagnostic Services

State of the Art Technology

TRIOSIM CORPORATION

Go Further with Triosim

As many of our customers have learned, there are significant benefits associated with the use of diagnostic equipment that employs state of the art technology. Maintenance operations that once were time consuming or "hit and miss" can now be performed quickly and with greater accuracy than ever before.

Metallurgical Analysis

In the past when repairs needed to be made to a piece of equipment with an unknown metallurgy, a piece would have to be cut from the equipment and sent to a laboratory for testing. With this new technology, Triosim can conduct a complete material analysis in a matter of seconds, saving you valuable time and money, without altering your equipment.

Being sure of the correct material needed for repairs will protect your equipment from unnecessary failures, saving you downtime and additional maintenance dollars.

Ensure Longevity of Equipment Life

This technology can also be helpful to quickly identify the material composition of used equipment that is being considered for installation. Determining the material composition is critical in assuring the greatest longevity in your mill.

Call on Triosim to learn more about this or any of our diagnostic technology for pulp washing systems.

Triosim Technician performs a material analysis on a sheet of 6% moly stainless steel. Confirmation of material is critical, as it will be used in the bleach process, where any lower grades of metal will disintigrate.

Certificate of Alloy Verification

Reading No.		119	
Mode		General Metals	
Duration		15.22 Sec	
Alloy1		AlloyC-276 : *3.62	
Alloy2		No Match : *5.31	
Inspector		Jeff Oram	
Component		Sample Screen	
Job No.		55555	
Note		Repair or Replace	
	%	±	Error
Cr	16.030	±	0.273
Ni	54.178	±	0.537
Mo	15.758	±	0.284
Fe	10.421	±	0.384
Se	< LOD	:	0.166
Mn	0.526	±	0.260
Ti	<LOD	:	0.068
Al	<LOD	:	80.00
W		±	0.339
V	0.218	±	0.047

This is a sample material analysis taken from a screen made of Hastalloy. Material analysis can be done in 15 seconds, and is broken down into percentages by element.

- **Lab quality material composition analysis**
- **Non-destructive testing**
- **Done on-site or in our shop**
- **Faster and more cost effective than labwork**
- **Protect against unnecessary failures**

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