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DETAILS OF INTERESTING CLAIM

No:

Type of Insurance: LP(M)

(use code)

Description of damaged item:

Lime kiln at pulp factory

Cause of Loss:

(use code) (1) Faulty operation

Claim Cost (100%)

(Net of deductible or time excess)

US\$ 0.8 Mio.

Description of Incident and Loss Prevention measures initiated:

In one lime kiln the lining fell down in an area due to the overheating of the kiln. This should have been registered by the on-line thermography unit monitoring the heat of the centerline of the kiln. Unfortunately this unit did not work at the moment and the situation led to an unnoticed dent in the kiln, which then after relining and consequent running up gradually resulted in that the riding ring got partly stuck. If a riding ring gets stuck, it leads to uneven wear and a situation where the ring is unevenly carrying the load. This leads to cracking of the rings or also the rolls. In this case using in-service inspection with magnetic particle testing and ultrasonic testing, the riding rings and rolls were monitored periodically and the repair could be shifted to the revision two years afterwards in good time for the huge riding ring to be ordered, manufactured, tested and transported to the site before the yearly summer shutdown. The order time for the riding ring was nine months. Now the reparation at site took two weeks, whereby the kiln was cut at a distance on both sides of the riding ring and the new ring including its cylindrical counterpart was welded in place.

Outline the interesting or unusual aspects of this claim or problems experienced during settlement:

The operators should have noticed the increased temperature of the oven from a number of on-line temperature measurements. The screens for operating and monitoring a huge pulp plant of today have, nevertheless, so many parameters included, that an overall picture of what changes are going on in the plant, might be hard to fully recognise and react to in a proper way.

If the on-line thermography unit had been working, the temperature rise would definitely have been registered, since the interpretation of the temperature distribution via this unit is clear and straightforward to understand.

The use of proper periodical non-destructive testing on the "injured" ring saved a lot of money for the owners and the insurers.

CODES

1. Type of Insurance

M Machinery Breakdown

BE Boiler Explosion

LP(M) M - Loss of Profits

ALOP (DSU) Advance Loss of Profits

EAR Erection All Risks

CAR Contractors All Risks (Civil)

G Guarantee

EE Electronic Equipment

O Other Classes

2. Cause of Loss

(1) Faulty operation

(2) Faulty material or workmanship

(3) Faulty design

(4) Fire

(5) Explosion

(6) Storm

(7) Flood and Inundation

(8) Earthquake

(9) Other causes