

Babine Sawmill, in Burns Lake, British Columbia, which employed 225 workers burns to the ground.



"Burns Lake sawmill explosion cause still unclear."Photo. CBC.ca. Posted 02 May 2012. Retrieved 25 March 2014.

Two fatalities
19 injured
Sawmill closed for two years

Lakeland Sawmill in Prince George, British Columbia, experiences a terrible explosion.



"WorkSafeBC recommends charges in Lakeland sawmill explosion."Photo. CBC.ca. Posted 23 February 2014. Retrieved 25 March 2014.

Two fatalities
24 injured
250 people out of work while sawmill was rebuilt over the course of two years

Kalesnikoff Lumber Co. Ltd. in Thrums, British Columbia



"Kalesnikoff Lumber Co. Ltd."Photo. Kalesnikoff.com. Posted 2007. Retrieved 25 March 2014.

Although the Kalesnikoff lumber mill has a very good preventive maintenance program and just had an infrared inspection completed in July 2013, CW Inspections, a ComplyWorks Affiliated Company, conducted an infrared inspection on Feb 24, 2014 and found 37 electrical faults in total.

This inspection found:

21 Slight faults	0 TO 10°C TEMP DIFFERENCE
11 Moderate faults	11 TO 37° C TEMP DIFFERENCE
4 Severe faults	36 TO 75°C TEMP DIFFERENCE
1 Extreme fault	GREATER THAN 75°C TEMP DIFFERENCE

The 4 severe and 1 extreme faults found, which are especially dangerous in a sawmill, were at a particularly dangerous stage in failure with probable component damage impending.

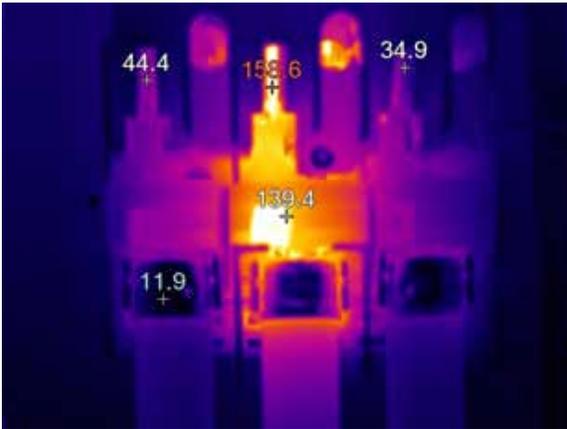
- The mill is insured for **\$35 000 000** and produces **200 000 FBM/day**, valued at approximately **\$140 000/day**.
 - On average it takes **two years to build a sawmill** of this size.
- **\$140 000 x 730 days to rebuild the mill = \$102 200 000 in lost revenue.**

If this sawmill had caught fire and burned down because of these faults Kalesnikoff Lumber Co. Ltd. would be looking at potentially **\$102 200 000 in lost revenue.**

Also, the mill employed 135 people that would be out of work until the mill was rebuilt. The loss of this sawmill would have had tragic consequences not only for people's physical health and safety, but the morale and well-being of the Thrums community in British Columbia.

Be proactive – prevent tragedy affordably and easily

The cost of this inspection was approximately \$2500 and the required new fused disconnect was approximately \$350 which only took two hours to replace between shifts resulting in zero downtime.

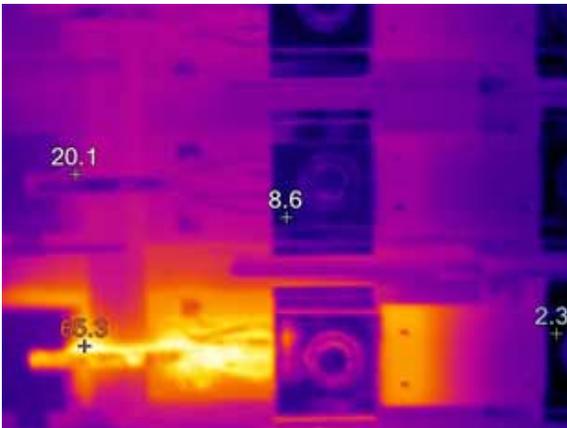


Saw Filers Shop Local Disconnect RA 5

Saw Filers Local Disconnect RA 5.IS2
25/02/2014 8:15:43 AM
Severity = EXTREME

With a 114 degree temperature difference this component needs immediate attention. It is very likely that there is damage to components on this disconnect.

Recommendation is to change out this disconnect immediately.



PDC 2 Motor Group D

PDC 2 Disconnect for Motor Group D.IS2
24/02/2014 11:28:00 AM
SEVERITY = SEVERE 36 TO 75°C TEMP DIFFERENCE

The hinged portion of the disconnect is not making good contact with the stabs
Component damage is probable
Recommendation: A.S.A.P.
Disassemble, clean, inspect, repair and grease.



MCC F 21

MCC F21.IS2
24/02/2014 12:56:04 PM
SEVERITY = SEVERE 36 TO 75°C TEMP DIFFERENCE

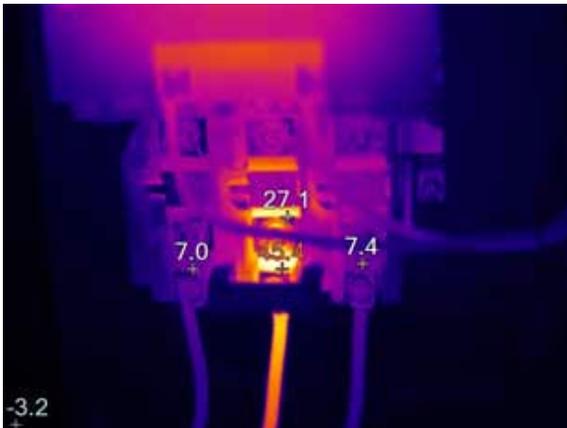
The overload heater on B phase is very hot
Component damage is probable
Recommendation: ASAP
Check connection on or behind the overload heater as this is very hot. The overload heater may have to be changed out.



PLANER O3

Planer MCC O3.IS2
24/02/2014 1:34:41 PM
SEVERITY = SEVERE 36 TO 75°C TEMP DIFFERENCE

The clips that accept the stab on the disconnect are not making a good connection. (hinged portion)
Recommendation: A.S.A.P
Clean, repair all contact faces and add grease
Component damage is probable.



MCC J-8

MCC J-8-5.IS2
24/02/2014 5:25:47 PM
SEVERITY = SEVERE 36 TO 75 DEGREES C TEMP DIFFERENCE

Connection on phase B on the load side of the contactor is running very hot
Component damage is probable
Recommendation: ASAP
Clean and retorque connection also check the connection on the load side of the overload heater as there may be a problem there as well. The overload heater may need to be changed out.

For more information on these services, please contact:

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