July 2014

Phone Call Notes

Unknown

Follow this and additional works at: http://digitalcommons.wpi.edu/ms077morgan-docs

Recommended Citation
http://digitalcommons.wpi.edu/ms077morgan-docs/236

This Article is brought to you for free and open access by the Morgan Construction Company records at DigitalCommons@WPI. It has been accepted for inclusion in Morgan Documents by an authorized administrator of DigitalCommons@WPI.
Call from D. Dudley - Feb 15, 65

Results of review of gear drawings.

1. D. D. has noted that the 31T helical pinions driving the roll shafts are not positively held in both directions. He recommended use of L shaped spacers. It was pointed out that the thrust is towards the shoulder on all of these pinions. He was satisfied that the washer was not needed in this case. Why not put in washer anyway? We don't understand the warp phenomena and possibly a gear can warp against the load direction. The washer would not be held axially.

2. 164575

(a) Backlash .007 not sufficient. We are writing in Gleason.

(b) Under GENERAL NOTES we have

(g) Inspect - gap is necessary

(h) Finish ground tolerance diameters.

ADD Make final inspection

Always want final inspection after manufacturing is completed.
3. 164523

(a) Basic Tooth Rack
    Under .5236 put
    "Adjust for backlash"

Tri relief modification, etc. - Awkward form of note

(b) Add to note "D"

"If contact is not acceptable
    improve shaft alignment or modify
    helix angle of either member to
    match the other"

† NOTE "E"

"In case of corrective
    grinding or cutting, tooth thickness
    may be reduced to .500 min."

(c) Material wrong

4. 164527

(c) Note E should be removed from the
    roll-shaft drawing. The helix modification
    note and chart takes care of this. Note E
    will be needed in drawing of unmodified
    crowned.

31T gear.
4. 164527 continued

(b) Bom: recal .3142

"Adjust to backlash"

(c) After note 16
Protect journal against hardening; stratches
Make final inspection/spot check

(d) Handling of mill angle note.

5. D.D. will call Norm Wilson next Friday
to make final arrangements for coming here in
the week of the 25th to talk to us about
mill suppression.

Wants Norm Wilson to consider his feeling
that decibel readings in the South Works
Exp. Mill would be very worth while. It
would peg when we are and when we want to go.
If Norm agrees do we have equipment and
trained men to make decibel measurements on
the day he comes. He can arrange for
man and equipment if this is not the case.
Believe that similar noise level readings
may be desired at Stelco.
5. Bevel gear housing

Ask his opinion on casting as regards noise suppression.

Iron — (high strength, perhaps Manganese) much better than weldment.

Cast steel — a little better than weldment.