TAAL

CHAIN AND SPROCKET TECHNICAL COMPARISON

TAAL

TECHINCAL COMPARISON - HOBBING v/s TAAL FINE BLANKING

Surface in Fine Blanking

Smooth surface finish

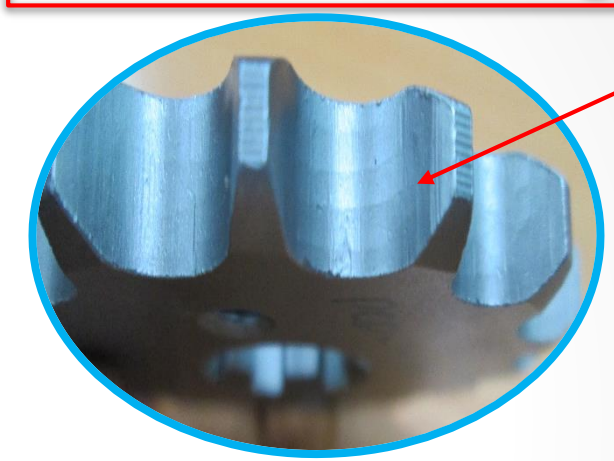
Increase in Fuel Efficiency

Noiseless operation due to Consistency pitch, No taper, Good Surface Finish, Good Face Run Out & OD Run out in the part & No jumping of Chain because of Very Good Accuracy.

Provide More Life for Chain & Sprocket due to work hardened in teeth areas in fine blanking process.

Surface in Hobbing

Rugged surface finish



Decrease the Fuel Efficiency

Noisy operation due to inconsistency pitch & taper, Poor Surface Finish, & Jumping of chain.

Provide less Life for Chain & Sprocket due to Sharpe edges

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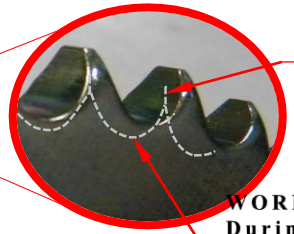
TECHINCAL COMPARISON - HOBBING v/s TAAL FINE BLANKING

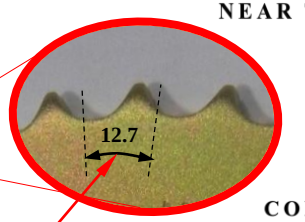


ONE SIDE

SMOOTH DIE ROLL RADIUS

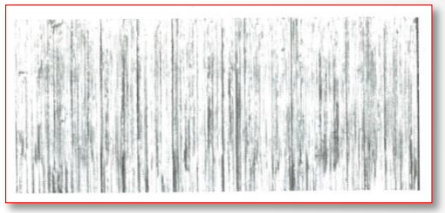
WORK HARDENED 0.2-0.3 mm During F/B Stage

NEAR TEETH PROFILE AREA



CONSISTANCE IN PITCH -0.003.004mm

CLEAN CUT SURFACE



/ NO TAPER 0N TEETH / GOOD SURFACE FINISH IN ALL TEETH/GOOD FACE RUNOUT AND OD RUN OUT IN THE PART

TEETH SURFACE FINISH

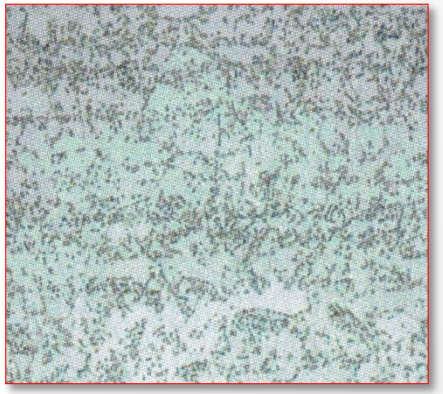
DIE ROLL RADIUS IN F/B PROCESS

NO TEETH CHAMFER REQUIRED ONE SIDE

BURR SIDE TEETH CHAMFER

DONE IN SECONDARY PROCESS

Micro Structure F/B MATERIAL



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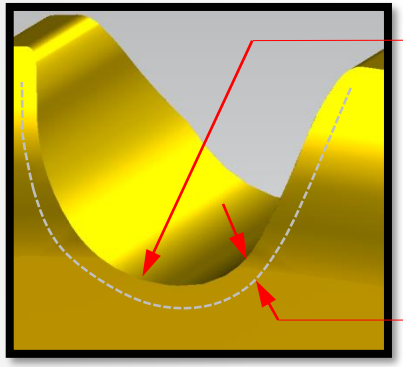
TECHINCAL COMPARISON - HOBBING v/s TAAL FINE BLANKING

FINE BLANKING SPROCKET



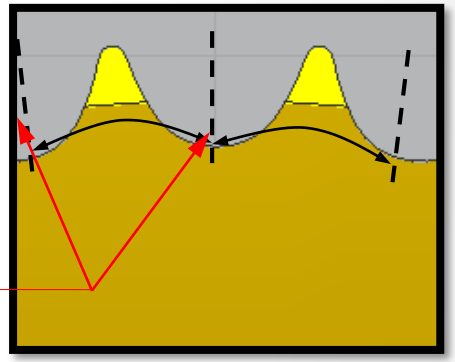
Bottom Root Radius

Enhanced surface finish &surface hardness
The work hardening effect entire teeth profile induced by fine blanking process. Enhances the wear characteristics of fine blanked sprockets.

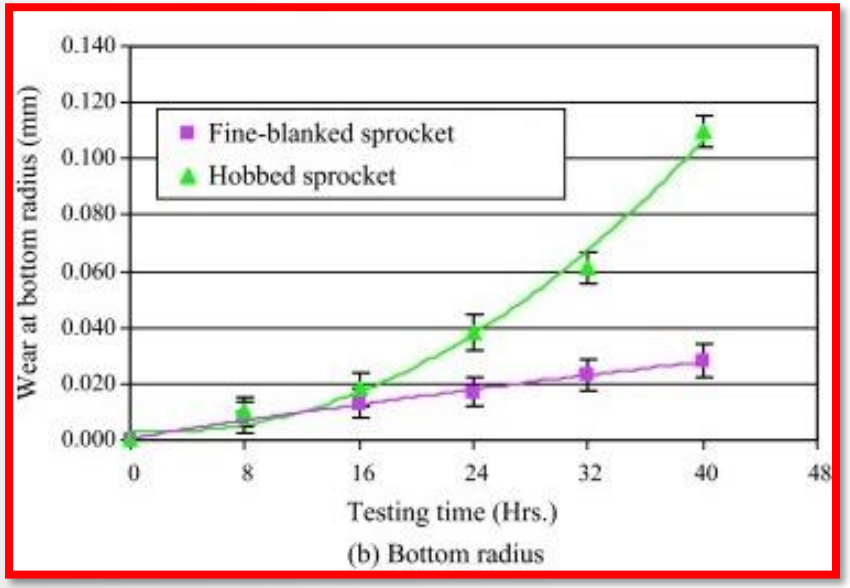
Work Hardened Depth

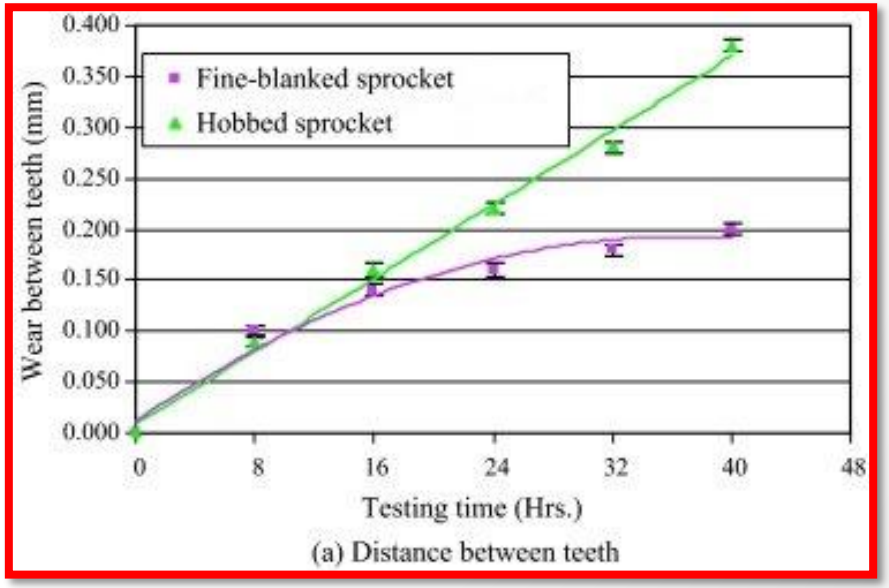
0.2 ~ 0.3 from cut band

MACHINED SPROCKET



Distance B/W Teeth





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Chain Benchmarking

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OTHER COMPETITORS

4 Point Rivet

2 Point Rivet

High grade alloy steel & Four point riveting provide higher shock load capacities

Two point can withstand lesser shock Load capacities

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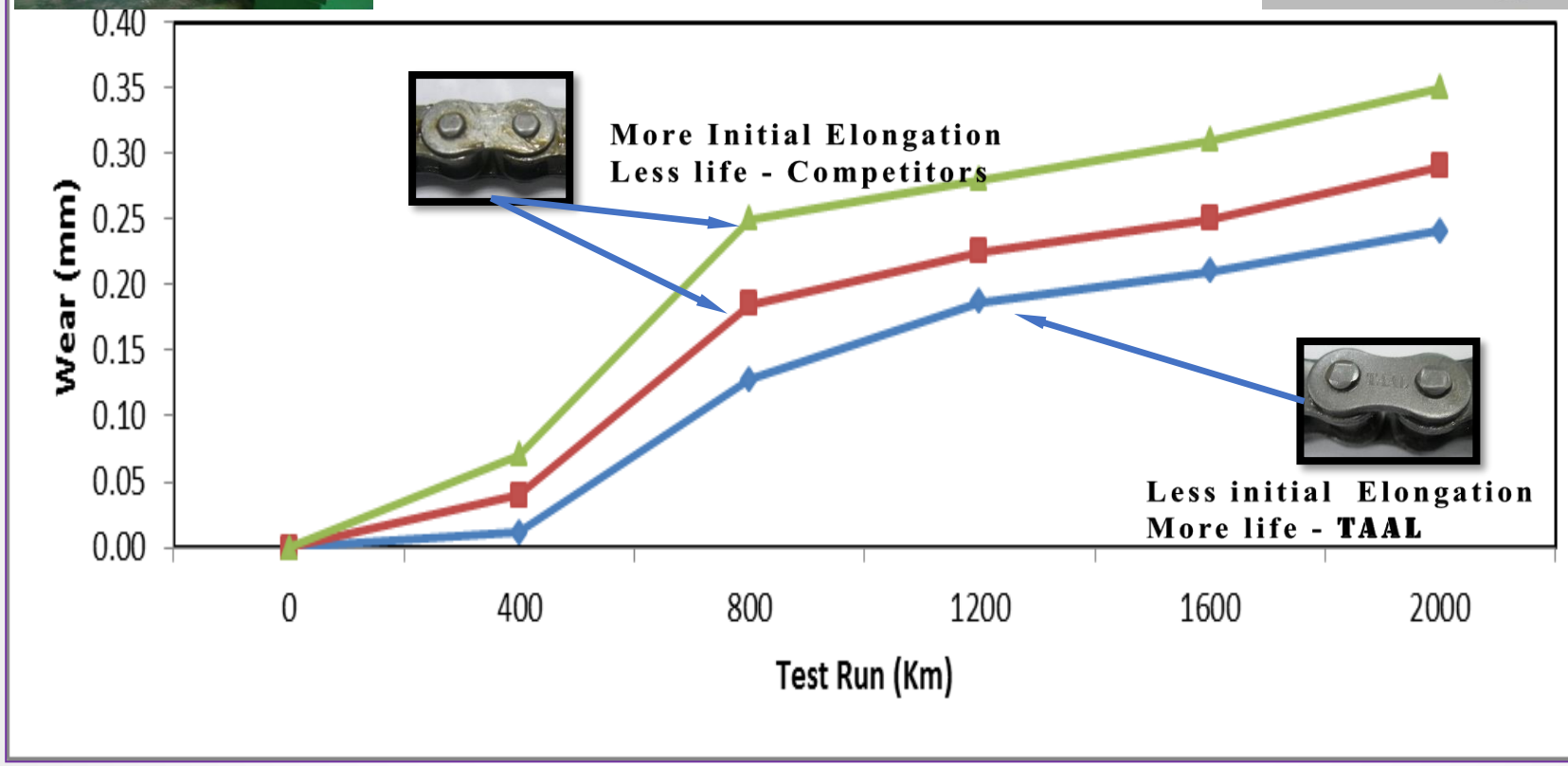
Chain Elongation Curve

Weariness tester

Fatigue tester

The Curves of Elongation of chain



TAAL

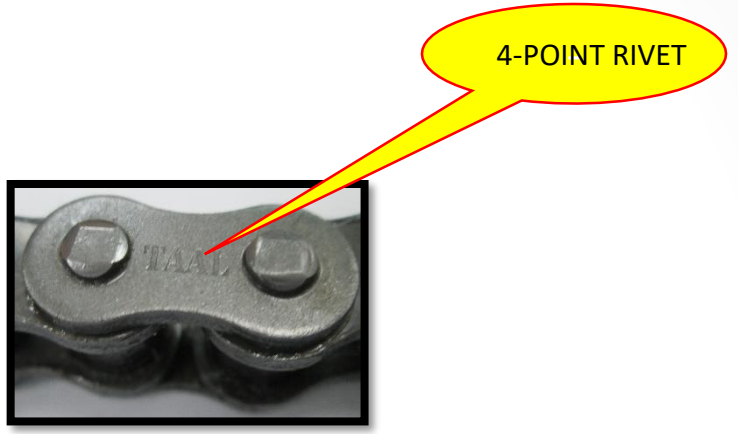
CSR MESSAGE TO MECHANICS & RETAILERS ON TAAL ULTRAMILES CHAIN & SPROCKET KIT:

TAAL ULTRAMILES SPROCKETS CHAIN KIT IS BEING MANUFACTURED/ SUPPLIED BY TAAL.

AN IFB GROUP COMPANY FROM INDIA.

SUPPLIER TO 2 WHEELER & 4WHEELER OEM'S /OTHERS

TAAL CHAINS



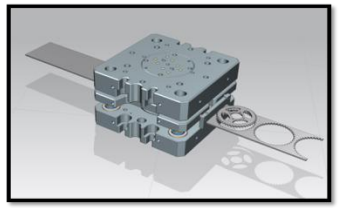
4 POINT RIVETTED CHAIN FOR BETTER STRENGTH

WITHSTAND SHOCK LOAD

SMOOTH RUNNING

LESS ELONGATION-(SLACKNESS HENCE LESS NOISE)
MORE LIFE

TAAL FINE BLANKED SPROCKETS [FRONT & REAR]



ONE SHOT OPERATION

HIGH TEETH ACCURACY FOR BETTER GRIP WITH CHAIN

SPROCKETS TEETH PROFILE/ AREA HARDENED

SMOOTH TEETH FINISH

LESS NOISE

MORE MILEAGE (Increase in mileage due to Smooth engagement and less power loss, also continuous maintenance required)

OVERALL HIGH PERFORMANCE FOR THE END USER