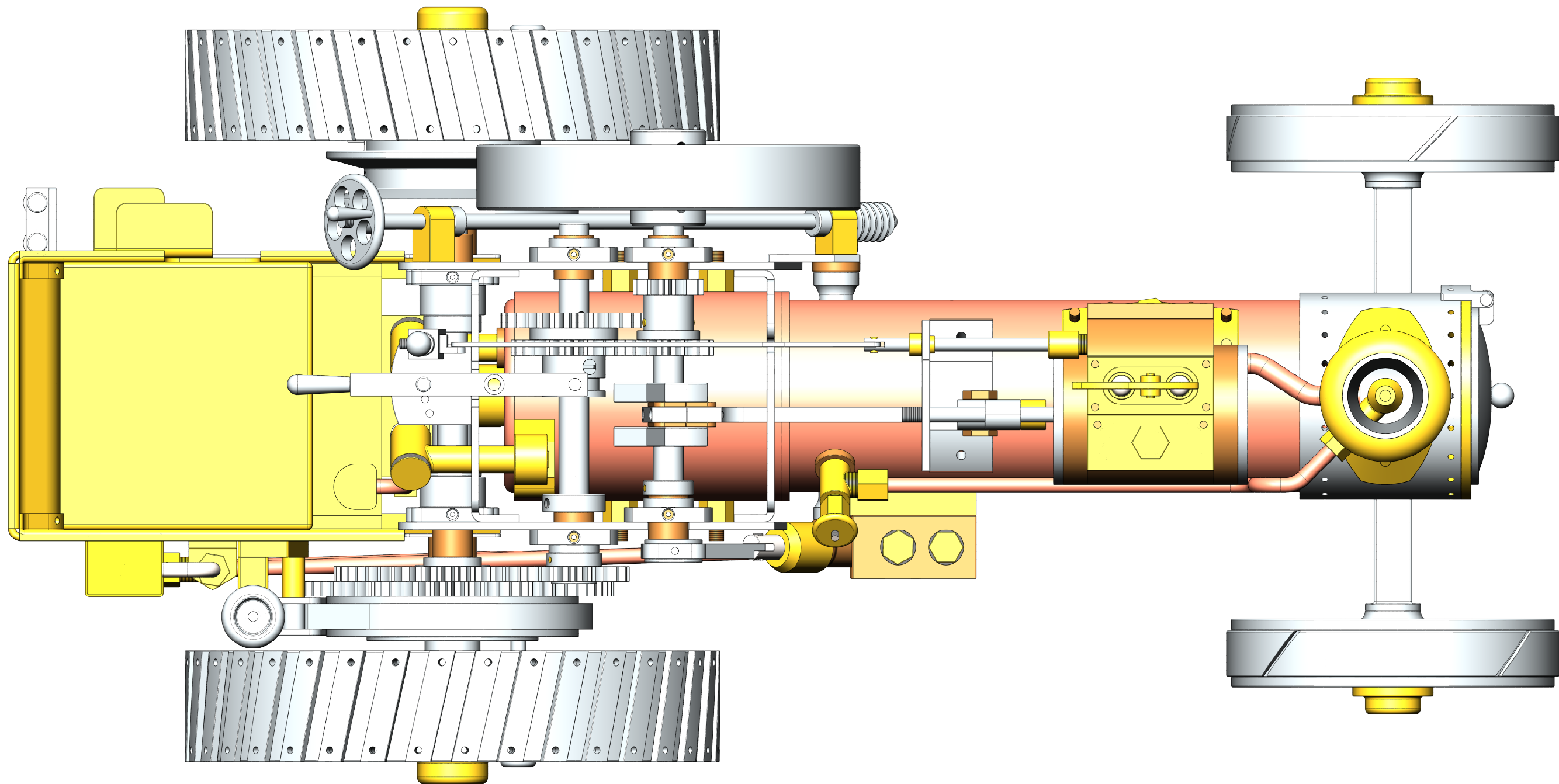




ADDITIONAL NOTES ABOUT THESE DRAWINGS:
0) NO MATERIALS HAVE BEEN SPECIFIED ON THESE DRAWINGS. THE BUILDER TO CHOOSE ITS OWN PREFERRED MATERIAL FOR THE PARTS/COMPONENTS. THE FOLLOWING COLOURS ON THE DRAWINGS INDICATES POSSIBLE MATERIALS WHICH CAN BE USED FOR PARTS: YELLOW=BRASS, LIGHT GREY=ALUMINIUM OR MILD STEEL, REDDISH BROWN=COPPER, DARK BROWN=BRONZE OR GUN METAL, WHITISH=SILVER STEEL OR STAINLESS STEEL
1) FASTENERS.
NO FASTENERS SUCH AS BOLTS, SCREWS, NUTS AND WASHERS HAVE BEEN SHOW ON THESE DRAWINGS. THE BUILDER TO CHOOSE ITS OWN PREFERRED TYPE OF FASTENERS.
2) PRESSURE GAUGE.
THE RANGE OF THE PRESSURE GAUGE TO BE DETERMENT AFTER MAXIMUM BOILER PRESSURE IS ESTABLISHED AND THE AVAILABILITY ON THE MARKET. THE PRESSURE GAUGE IS A PROPRIETY ITEM.
3) PIPING
PREFERABLY ALL PIPING TO BE COPPER. THE PIPING ON THE DRAWINGS ARE INDICATIVE ONLY. THE BUILDER TO ESTABLISH THE PIPE LENGTH AND ROUTE FROM WORK PIECE. THE PIPE SIZES ARE INDICATIVE ONLY. THE BUILDER TO ESTABLISH THE AVAILABILITY OF THE PIPE SIZE(S) FROM THE LOCAL SUPPLIER(S). THE PIPE NUT(S) TO BE ADJUSTED TO THE USED PIPE SIZE.
4) BOILER.
BEFORE STARTING: THE BOILER AS SHOWN ON THESE DRAWING SHOULD BE INSPECTED BY AN AUTHORISED PROFESSIONAL ENGINEER. THE RUNNING AND MAXIMUM BOILER PRESSURE TO BE CALCULATED. MAKE SURE THE BOILER FULLY COMPLIES WITH THE LOCAL RULES AND REGULATIONS OF MODEL BOILERS. A COMPLIANCE AND TEST CERTIFICATE SHOULD BE OBTAINED.
BOILER INSULATION AND BOILER CLADDING ARE NOT SHOWN ON THESE DRAWINGS.
IF BOILER INSULATION AND BOILER CLADDING ARE PREFERRED THEN THE THE FOLLOWING COULD BE CONSIDERED: INSULATION MATERIAL 2mm THICK AND CLADDING 0.5mm THICK.
3 OFF BOILER STRAPS TO BE DESIGNED AND MADE BY THE BUILDER. STRAP WIDTH APPROX 7mm AND DIAMETER SHOULD BE ADJUSTED TO ACCOMMODATE MAX GLADDING DIAMETER.
5)RONSON FILLER VALVE.
A RONSON VALVE SHOULD BE LOCALLY SOURCED AND THE THREAD IN THE REAR PART SHOULD BE ADJUSTED ACCORDINGLY TO ACCOMMODATE THE VALVE.
6) STEERING.
THE STEERING CHAIN(S) ARE NOT SHOWN ON THESE DRAWINGS. THE BUILDER TO SOURCE THE RIGHT SCALE CHAIN FROM LOCAL MODEL SHOP OR LOCAL HARDWARE STORE. THE WINDING OF THE CHAIN ONTO THE CHAIN DRUM AND CONNECTION TO THE FRONT AXLE TO BE DETERMENT BY THE BUILDER.
7) GEARWHEELS.
THE GEARWHEELS SHOWN ON THESE DRAWINGS ARE INDICATIVE ONLY. THE BUILDER COULD SOURCE STANDARD GEAR WHEELS LOCALLY. THE "MODULES" OF THE GEARWHEELS CAN BE CHANGED ACCORDING TO THE AVAILABILITY OF THE BUILDERS GEAR CUTTING TOOLS. THE NUMBER OF TEETH HAVE TO BE ADJUSTED ACCORDINGLY
8) ENHANCEMENT
THE APPEARANCE OF THE TRACTION COULD BE ENHANCED BY ADDING SOME EXTRA PARTS SUCH AS: FRONT AND REAR LIGHTS, BELL(S), WHISTLE.

NOTES: THIS DESIGN IS BASED ON DRAWINGS WHICH WERE GIVEN TO ME. THE ORIGINAL DESIGN AND ARTICLES WERE BY REX TINGEY. THE ORIGINAL DRAWINGS WERE PUBLISHED IN "MODEL MECHANICS" MAGAZINE: JULY, AUGUST, SEPTEMBER, OCTOBER, NOVEMBER 1979 AND FEBRUARY 1980														
TITLE A SIMPLE GAS FIRED STEAM TRACTION ENGINE CALLED "SWEET SIXTEEN"				DRAWING CONTENTS GENERAL ARRANGEMENT TOP VIEW			PROJECT No 08-14-00 JDW DRAUGHTING SERVICES J.A.M. DE WAAL. 12 BRIGHTWELL STREET PAKAPURA 2110. NEW ZEALAND. PHONE: 0064 09 2988815. MOB: 0211791000 E-MAIL: dewaal@xtra.co.nz.		PROJECTION 		JDWDS		MODEL SCALE: 1:1	
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