APPENDIX 1

Figure A1.1 Laminated cast iron grade-35 spur gear - deformation pattern

Figure A1.2 Solid hylam spur gear - deformation pattern
Figure A1.3 Laminated hylam spur gear - deformation pattern

Figure A1.4 Type 1 bimetallic gear - deformation pattern
Figure A1.5 Type 2 bimetallic gear - stress distribution

Figure A1.6 Type 2 bimetallic gear - deformation pattern
Figure A1.7 Type 1 sandwich gear - deformation pattern

Figure A1.8 Type 2 sandwich gear - stress distribution
Figure A1.9 Type 2 sandwich gear - deformation pattern

Figure A1.10 Wear profile along path of contact at pressure load of 30 Kg/cm² for solid 20MnCr5 gear tooth
Figure A1.11  Wear profile along path of contact at pressure load of 40 Kg/cm² for solid 20MnCr5 gear tooth

Figure A1.12  Wear profile along path of contact at pressure load of 30 Kg/cm² for laminated 20MnCr5 gear tooth
Figure A1.13  Wear profile along path of contact at pressure load of 40 Kg/cm² for laminated 20MnCr5 gear tooth

Figure A1.14  Wear profile along path of contact at pressure load of 30 Kg/cm² for cast iron grade-35 gear tooth
Figure A 1.15  Wear profile along path of contact at pressure load of 40 Kg/cm² for cast iron grade-35 gear tooth

Figure A 1.16  Wear profile along path of contact at pressure load of 10 Kg/cm² for bimetallic gear tooth
Figure A1.17  Wear profile along path of contact at pressure load of 20 Kg/cm² for bimetallic gear tooth

Figure A1.18  Wear profile along path of contact at pressure load of 30 Kg/cm² for bimetallic gear tooth
Figure A1.19  Wear profile along path of contact at pressure load of 40 Kg/cm² for bimetallic gear tooth

Figure A1.20  Calibration certificate – vibration meter