

2.644
2.634 ROOT DIA

- 8. NITAL ETCH INSPECT GEARTEETH PER PARAGRAPH 3.31 OF W.I. FIG 26 ALL OTHER AREAS OPTIONAL.
 - 7. BACKLASH: .005-.008 WHEN MESHED WITH A 32 TOOTH MATING GEAR AT 2.408 ± .001 CENTER DISTANCE (REF).
 - 6. TOLERANCES APPLY WHEN MOUNTED ON DATUMS **A** & **B**.
 - 5. ANGULAR RELATIONSHIP BETWEEN GEAR TEETH, FLATS AND OTHER FEATURES MAY VARY FREELY.
 - 4. FULL FILLET RADIUS TO BLEND WITH ROOT DIAMETER AND INVOLUTE PROFILE. MISMATCH BETWEEN INVOLUTE PROFILE & FILLET RADIUS NOT TO EXCEED .002.
 - 3. MAGNETIC PARTICLE INSPECT PER FIG 20 EXCEPT SPLINES. **D₂**
 - 2. CARBURIZE AND HARDEN PER FIG 20 AS FOLLOWS:
 - A. GEAR TEETH
 - a. TOOTH PROFILE .005-.020 CASE DEPTH
 - b. ROOT FILLET .005 MIN CASE DEPTH
 - B. SPLINE
 - a. TOOTH PROFILE .005 MIN CASE DEPTH
 - b. ROOT FILLET .005 MIN CASE DEPTH
 - 1. MASK ENDS AND TIP OF GEAR TEETH PRIOR TO CARBURIZATION TO MINIMIZE TO CARBON PENETRATION. TEETH OPTIONAL.
 - C. SURFACE MARKED **D₂** .005-.020 CASE DEPTH.
- IDENTIFY PER FIG 50 IN APPROX AREA SHOWN.
NOTES:

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