

c. Nicks, dents, scratches, and corrosion are acceptable if depth after rework does not exceed 0.040 in light areas or 0.050 in heavier areas. Rework in accordance with general instructions below.

Nicks, dents, scratches, and corrosion in areas adjacent to case wall are acceptable if depth after rework does not exceed 0.030. Rework in accordance with general instructions.

Nicks, dents, scratches, and corrosion in machined areas are acceptable if depth after rework does not exceed 0.005. Rework by polishing out damage with 400 grit abrasive cloth (C1 or C6). Reworked area must not exceed 5 percent of machined area. Reworked area for any one repair must not exceed 0.020 in length or width and must not exceed 0.040 inch square. No sealing surface may be reworked if it will allow passage of oil.

D. Mechanical damage and/or corrosion in legs or scratches on the flanges are acceptable if depth after rework does not exceed 0.015. Rework in accordance with general instructions below. Reworked area must not exceed 20 percent of any one leg or flange.

Corrosion pitting on upper machined face at mounting bolt is acceptable if depth after rework does not exceed 0.020. Rework in accordance with general instructions below. Reworked area must not exceed 20 percent of total surface area. Reworked area must not exceed 10 percent of area under washer. Minimum thickness of flange in unfitted area is 0.300 after rework.

**UNDESIGNATED AREAS**

Nicks, dents, scratches, and corrosion on thin wall areas are acceptable if depth after rework does not exceed 0.030. Rework in accordance with general instructions below. Reworked area for any one repair must not exceed 0.7 inch square. Total rework area must not exceed 30 percent of area.

Fretting or chafing of machined surface is acceptable if depth does not exceed 0.002 and does not exceed 15 percent of any one mounting foot area.

All mounting points in same plane within 0.003.

Nicks, dents, scratches, and corrosion in heavy flanges are acceptable if depth after rework does not exceed 0.080. Rework in accordance with general instructions below. Reworked area must not exceed 0.500 length or 0.10 width and must not extend into thin case wall areas.

Nicks, dents, scratches, and corrosion in other thin wall case sections are acceptable if depth after rework does not exceed 0.030. Rework in accordance with general instructions below. Reworked area must not exceed 30 percent of total designated area. Reworked area for any one repair must not exceed one inch square.

Mounting bolt hole elongation is acceptable if hole size does not exceed 0.292 diameter.

Figure 6-51.1 Intermediate Gearbox Case – Damage Limits (Sheet 2 of 3)