

b. Noise - Determine by operational test. If not fully serviceable, the following applies (1 thru 5).

(1) Normal gear hum audible when a planetary gear unit is in operation is acceptable.

(2) Grating or clicking noises indicating broken or rough teeth are not acceptable.

(3) Any metallic noise inside torque converter audible when transmission is in neutral is not acceptable.

(4) Any automatic transmission that does not hold wide open throttle stall RPM within manufacturer's specifications will be corrected. Do not stall test for more than 10 seconds at a time.

(5) Conventional transmissions with evidence of galled or broken bearings and gear teeth in any gear ratio are not acceptable.

c. Operation.

(1) Automatic transmission shift pattern will be in accordance with manufacturer's specifications.

(2) Conventional transmissions will shift and fully detent in each gear position. Evidence of gear jumping is not acceptable.

(3) Synchronizer drums will be functional.

6.8 Transfer.

a. Leakage.

(1) Oil seepage from gasket areas is acceptable if there is no evidence of an oil path leaving area.

(2) Leakage at seals is acceptable if not in excess of 3 drops in a 5 minute period immediately after road or dynamometer test.

b. Noise. Transfer will operate in all ranges with no indication of galled bearings or broken gear teeth.