MODIFICATION OF FRICTION ROLL DRIVE GEAR CASE TO PREVENT LOSS OF OIL AT OIL GUARD

1. GENERAL

1.001 This addendum supplements Section 159-720-813, Issue 2.

1.002 This addendum is issued to specify the use of KS-19578 L1 trichloroethane wherever KS-8372 trichloroethylene is now specified. The same precautions that apply for KS-8372 trichloroethylene shall apply to the KS-19578 L1 trichloroethane.

MODIFICATION OF FRICTION ROLL DRIVE GEAR CASE TO PREVENT LOSS OF OIL AT OIL GUARD

1. GENERAL

1.01 This section covers the procedures for the modification of the friction roll drive gear case to prevent the loss of oil at the oil guard.

1.02 This section is reissued to incorporate material from the addendum in its proper location. In this process marginal arrows have been omitted.

1.03 These procedures are applicable to drives from which the oil is drained due to a capillary action of the eccentric coupling guard and oil guard. The drives so affected are those on which the boss around the hole in the gear case oil return through which the vertical shaft of the drive protrudes, is the same height as the outside diameter of the gear case as shown in Fig. 1. Gear cases with deep oil return as shown in Fig. 2 do not require this modification.

2. MATERIALS

CODE NO.	DESCRIPTION
—	Cloth, per KS-2423
—	Trichloroethylene per KS-19578
—	Sealing Compound, per KS-6824

3. PROCEDURES FOR MOUNTING AND SEALING ADAPTER (P-290184 SEALING RING)

Preparation of Drive

3.01 It will be necessary to stop the drive before conditioning the gear case in accordance with the following procedures. Also ascertain whether it is necessary to make any of the associated circuits busy. Make circuits so affected busy in the approved manner.

3.02 Remove the eccentric coupling guard, eccentric coupling and oil guard as outlined in the section covering this apparatus. With a KS-2423 cloth moistened with trichloroethylene, wipe off any oil that may be adhering to the machined upper surface of the gear case oil return on which the oil guard rests.

Sealing of Adapter

3.03 After the surface has been thoroughly cleaned, apply the KS-6824 sealing compound to one of the flat surfaces of the adapter and to the machined surface of the gear case oil return. Slide the adapter between the vertical shaft of the drive and the vertical drive shaft taking care not to allow the adapter to make contact with either shaft. Place the adapter on the oil return so that the inner circumference of the extension coincides with the circumference of the machined surface. Apply only sufficient pressure on the adapter to squeeze out the excess sealing compound. The position of the adapter may be checked by running the finger around its inside circumference and the oil return. Wipe off the excess sealing compound with a KS-2423 cloth moistened with trichloroethylene. Care should be exercised to prevent sealing compound from entering oil return.

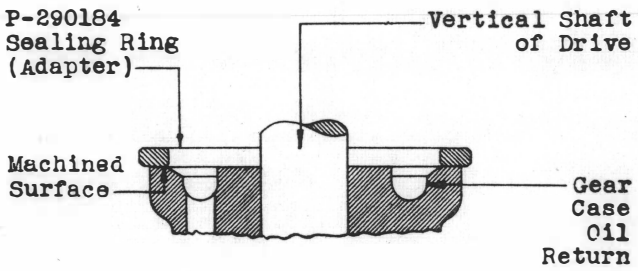

Fig. 1 – Gear Case With Shallow Oil Return

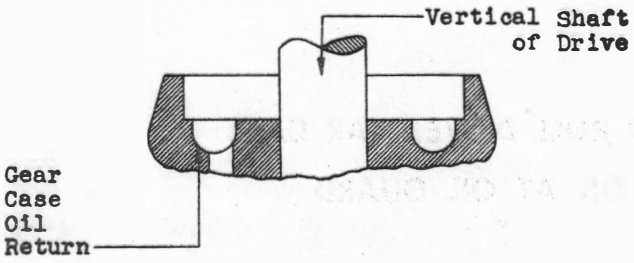

Fig. 2 – Gear Case With Deep Oil Return

Assembly and Adjusting of Apparatus

3.04 Remount the oil guard and reassemble the eccentric coupling. Adjust the eccentric coupling to meet the requirements specified in the section covering this apparatus. Then reassemble the eccentric guard as outlined in the section specified above.