

Safety Bulletin			 Tesco Corporation 5616 – 80th Avenue SE Calgary, Alberta, Canada T2C 4N5 Tel: 1-877-TESCO-77 (North America) Tel: 1 (713) 359-7195 (AMSS 24-hour support) Tel: 1 (713) 359-7295 (International) Email: bulletins@tescocorp.com www.tescocorp.com www.tescoparts.com
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Safeguarding of TESCO Engine Driven Products			

BACKGROUND INFORMATION:

TESCO has identified a safety issue related to the radiator fan and belt guards implemented on a number of TESCO supplied hydraulic power units (HPU) and generator packages. The purpose of this bulletin is to notify customers and users of this equipment of the hazard so they can take immediate remedial action while TESCO develops alternate guards for the affected products.

TESCO designs and manufactures equipment in accordance with a number of internationally recognized codes and standards. With its primary manufacturing facility located in Calgary, Alberta, Canada, it also adopts features required to satisfy occupational health and safety (OH&S) requirements established in Alberta, Canada. An assessment of the design of the guards on several models of hydraulic power units (HPU) has found that the guards do not satisfy the current requirements of Alberta Occupational Health and Safety Code – 2009. Of particular concern is the guarding in the area of the engine driven radiator fan and drive belt system used to provide engine cooling. Figure 1 shows examples of fan guards that may not comply with current OH&S requirements. Figure 1(a) is an example of guarding used on legacy Detroit Diesel 12V92 and 16V92 based products, Figure 1(b) is an example of guarding used on current Detroit Diesel 12V2000 and 16V2000 based products. The exposed sections of belt and fan blade could present a hazard in the event of accidental contact with this area. In addition to revising the guarding in this area, TESCO is also undertaking a general review of the guarding including the potential for exposure to hot surfaces.

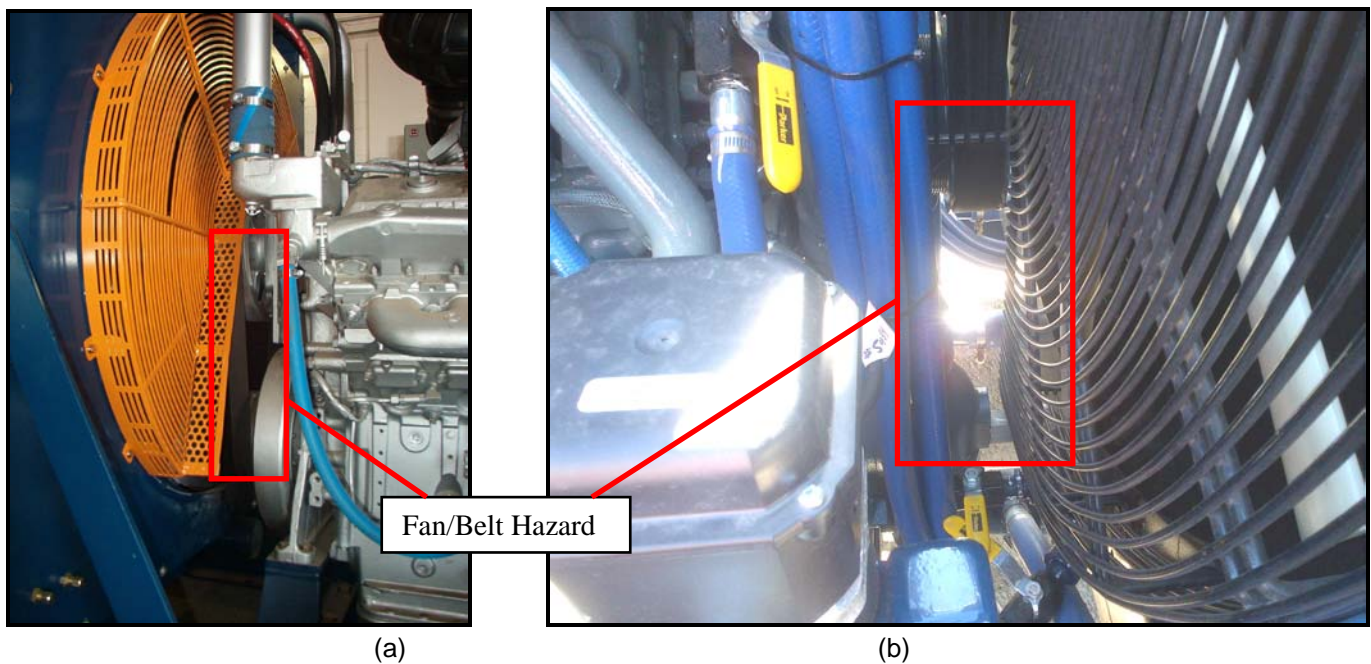


Figure 1 - (a) example of guards on legacy units, (b) example of guards on current units.

AFFECTED PRODUCTS:

All hydraulic power units (HPUs) and generator systems that have been supplied by TESCO either as stand-alone or in combination with a top drive system. This includes HPUs used in the HS, HC, HCI, HCI(S), HXI, HMI(S) and T100 product families as well as generators supplied with ECI(S), EXI and EMI top drives in the electric product families. This will include products that are based on various engine platforms including Detroit Diesel 12V92, 16V92, 12V2000, 16V2000, 60 Series and Caterpillar 3406, 3412, 3512, C15, C18 and C32.

ACTION REQUIRED:

TESCO is publishing the current bulletin to provide immediate notification of a hazard while it undertakes the design and manufacture of suitable replacement guards to protect users. TESCO recommends that customers take immediate steps to ensure the protection of their employees including implementation of supplemental guarding and/or administrative controls (signage and training) as may be required to satisfy OH&S requirements. TESCO will be adopting practices as suggested by Canadian Standards Association (CSA) Z432-04 Safeguarding of Machinery; however, customers are advised that specific requirements may vary depending on the jurisdictions in which the equipment is operated.

Version	Date (D/M/Y)	ECN	Description of changes
Rev 0	15/06/2012	157-0028	Initial release of document

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