



Review Form Instructions

Diesel engine to hydraulic pumps

Purpose:

The application review is used to gather pertinent information to properly select a Guardian product.

Scope:

These instructions should be followed for any engineered application review of standard and non-standard products. This procedure is not required for sales inquiries and requests for specific products. If a specific request is made for standard products, then it may be quoted without an application review. The application review can be used in conjunction with a product design project (PDP) but, isn't intended to replace the PDP procedure. A PDP has its own review and procedure that should be followed. This application review will cover standard product offerings for flywheel couplings, pump mounting plates & engine housings.

PROCEDURE:

Note(s):

- 1) *The application review form does not require all fields to be filled in. Some fields may not apply to the application or may be understood per specific industry standards.*
- 2) *Some common industry standards & tolerances are assumed to be included in the selection process, but not limited to the following: SAE, NEMA, IEC, DIN, JIS, ASTM, ANSI, AGMA, and Guardian ENT standards.*
- 3) *Guardian adheres to specific tolerances as follows:*
 - a) *Bore and Keyway tolerances for clearance & interference fits for US Customary units comply with ANSI/AGMA 9002-B04 Standard if shaft and/or bore tolerances are not specified.*
 - b) *Bore and Keyway tolerances for clearance & interference fits for Metric units comply with H7 tolerances as standard clearance and P7 tolerances as standard interference fits if shaft and/or bore tolerances are not specified.*
 - c) *Hydraulic pump sizes & shafts conform to SAE J744C standardization.*
 - d) *Industrial flywheel & engine housings will follow SAE J620D & J617C standardization and/or will follow the engine manufacture specifications specific to the engine model.*



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- 1) A request can be made from either an internal or external source that requires an engineered approach to determine a Guardian product selection. This request may be given verbally, faxed, emailed, or written. The request may be taken by any member of the Guardian team.
- 2) Fill out the contact information in *Section 00*. If you are an existing customer, the name of your company, your name and contact information is all that is required. If you are a new customer/contact, then all of the information should be completed in this section.
- 3) Section 1 is available for application information and additional notes, given information, design expectations and results.
- 4) Provide the necessary application requirements in Section 2.
- 5) Section 3 pertains to the drive information. Fill in the required information. Not all fields are required to be filled in. Supporting documentation may be attached.
- 6) Section 4 pertains to the driven information. Fill in the required information. Not all fields are required to be filled in. Supporting documentation may be attached.
- 7) Once the application review form is completed, it is ready for submission. Any supporting documentation, including correspondence, application data, competitive information or prints can also be submitted for quoting. Additional information may be required after submission of this form. If so, a Guardian representative will contact you.