



SURFACE VEHICLE RECOMMENDED PRACTICE

J1341™

MAY2023

Issued 1981-07
Revised 2012-11
Stabilized 2023-05

Superseding J1341 NOV2012

Test Method for Measuring Power Consumption of Hydraulic Pumps for Trucks and Buses

RATIONALE

This technical report is stabilized because it covers technology, products, or processes for which technical expertise no longer resides in the owning committee.

STABILIZED NOTICE

This document has been declared "STABILIZED" by SAE Truck and Bus Aerodynamics and Fuel Economy Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

SAE Executive Standards Committee Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2023 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
http://www.sae.org

SAE WEB ADDRESS:

Full document details: SAE J1341_202305

For more information on this standard, visit
https://www.sae.org/standards/content/J1341_202305/

Documents

Document Sharing Hub

1. SCOPE

This document covers evaluation techniques for determining the power consumption characteristics of engine driven hydraulic pumps used on heavy-duty trucks and buses. The testing technique outlined in this SAE Recommended Practice was developed as part of an overall program for testing and evaluating fuel consumption of heavy-duty trucks and buses. The technique outlined in this document provides a description of the test to be run to determine power consumption of these engine driven components, the type of equipment and facilities which are generally required to perform these tests are discussed in SAE J745. It is recommended that the specific operating conditions suggested throughout the test be carefully reviewed on the basis of actual data obtained on the specific vehicle operation.

1.1 Purpose

The purpose of this document is to expand on the scope of the existing SAE J745. All of the specifications and apparatus utilized in that document for construction and industrial machinery can be utilized in this procedure. Information presented in the manner outlined as follows can be used to compare the hydraulic power requirements of fixed or variable-displacement pumps and estimate actual power consumption after the vehicle duty cycle has been determined.