



SURFACE VEHICLE INFORMATION REPORT

J1447

CANC.
AUG2014

Issued 1986-05
Cancelled 2014-08

Superseding J1447 MAY1986

Fire-Resistant Fluid Usage in Hydraulic Systems of Off-Road Work Machines

RATIONALE

This document is being cancelled and superseded by ISO7745.

SAE Technical Standards Board 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 © 2014 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 J1447_201408

SAE values your input. To provide feedback
on this Technical Report, please visit
http://www.sae.org/technical/standards/J1447_201408

Documents

Document Sharing Hub

Foreword—This Document has not changed other than to put it into the new SAE Technical Standards Board Format.

1. Scope—This Information Report is intended to provide reference material for the selection and use of fire-resistant fluids in the hydraulic systems of off-road work machinery with separate hydraulic oil sump.

2. References

2.1 Related Publications—The following publications are provided for information purposes only and are not a required part of this document.

2.1.1 ANSI PUBLICATION—Available from ANSI, 11 West 42nd Street, New York, NY 10036-8002.

ANSI/B93.5M 1979—Practice for the Use of Fire-resistant Fluids in Industrial Hydraulic Power Systems

2.1.2 ISO PUBLICATIONS— Available from ANSI, 11 West 42nd Street, New York, NY 10036-8002.

ISO 4404—Hydraulic fluid power—Fire-resistant fluids (Categories A, B, and C)—Determination of anti-corrosive power

ISO 6071—Hydraulic fluid power—Fire-resistant fluids—Classification and designation

ISO 7745—Hydraulic fluid power—Fire-resistant fluids—Guidelines for use

3. Definition

3.1 Fire-Resistant Fluid—A fluid which, due to physical or chemical properties, is difficult to ignite and shows little tendency to propagate a flame. The fire resistance is obtained either from the presence of water or from chemical compositions which are self-extinguishing.