



SURFACE VEHICLE RECOMMENDED PRACTICE

J371™

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Drain, Fill, and Level Plugs for Off-Road, Self-Propelled Work Machines

RATIONALE

The technical report covers technology, products, or processes which are mature and not likely to change in the foreseeable future and there is no technical expertise that resides in the owning committee.

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FOREWORD

Plugs are extensively used in off-road, self-propelled work machines as defined in SAE J1116. Loss of these plugs, stripping of the threads, or failure to tighten because of difficulty in finding the right tool can result in serious damage and/or increased down time. All the plugs listed are nominal inch sizes pending the development of metric plug standards.

1. SCOPE

This SAE Recommended Practice applies to off-road, self-propelled work machine categories of earthmoving, forestry, road building and maintenance, and specialized mining machinery as defined in SAE J1116.

1.1 Purpose

The purpose of this document is to standardize and, therefore, minimize the number of sizes and types of drain, fill, and level plugs required. It also establishes types and sizes of pipe thread and straight thread plugs requiring commercially available hand tools for removal and installation. It is not intended to establish dimensions and materials.

2. REFERENCES

2.1 Applicable Publications

The following publications form a part of the specification to the extent specified herein. Unless otherwise indicated the latest revision of SAE publications shall apply.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J48 Guidelines for Liquid Level Indicators

SAE J476 Dryseal Pipe Threads