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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

JG/T 430-2014

Replacing JG/T 3007-1993

**Anticorrosion lubricating grease for unbonded tendons
(English Translation)**

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Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and definitions
4 Categories
5 Requirements
6 Test methods
7 Inspection rules
8 Logo, packaging, transportation and storage
Appendix A (Normative) Low-temperature grease performance test methods
Appendix B (Normative) Grease and sheath compatibility test method

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is JG/T 3007-1993 "unbonded prestressed tendon anti-corrosion grease," the amendment, this standard and JG/T 3007-the main technical changes compared to 1993 are as follows.

- Modify the standard Chinese name, from "unbonded prestressed tendon-specific anti-corrosion grease" to "unbonded prestressed tendon with anti-corrosion Grease ";
- Modify the standard English name, from "Corrosion-resistant and lubricating greases specialized for un-
- Modify the description of the range (see Chapter 1, 1993 edition Chapter 1);
- Modify the formulation of terms and definitions (see Chapter 3, Chapter 3 of the 1993 edition);
- Increase the definition of ash (see 3.13);
- Increasing the definition of ambient temperature (see 3.14);
- Removed the "code and mark", an increase of "classification" (see Chapter 4, 1993 edition Chapter 4);
- Increased No. 3 unbonded prestressed tendons with anti-corrosion grease technical requirements (see Chapter 5);

- Modify the drop point, the network of oil, the pressure drop after oxidation quality indicators (see Chapter 5, 1993 edition Chapter 5);
- Increase the quality indicators of ash (see Chapter 5);
- Modify the damp heat test method of test grease coating method (see 6.8, 1993 edition of 6.8);
- Modify the compatibility test method (see 6.11, 1993 edition of 6.11);
- Increasing the test method of ash (see 6.12);
- Removed the "sampling", the relevant content into the "Inspection Rules" (see 7.3, 1993 edition 9);
- Added "Judgment Rules" and "Re-inspection Rules", deleted "Judgment of test results" (see 7.4 and 7.5, 1993 version 7.5);
- Added "low-temperature grease performance test methods" (see Appendix A);
- Increased "grease and sheath compatibility test method" (see Appendix B).

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Construction Building Standardization Technical Committee centralized.

This standard was drafted. China Academy of Building Research, Hangzhou, Zhejiang anchor prestressed Co., Ltd., Wuxi Feitian Oil Co., Ltd., Tianjin City crown Grease Co., Ltd., Changsha City Petrochemical Co., Ltd., Liuzhou Olivier Machinery Co., Ltd., Tianjin Gimhae Lee Oil Co., Ltd., Beijing Institute of Construction Engineering Co., Ltd., Tianjin Yin Yan Prestressed Co., Ltd., Tianjin Shengwen prestressed Machinery Co., Ltd., building research (Beijing) Structural Engineering Co., Ltd.

1 Scope

This standard specifies the terms and definitions, classification, requirements, test methods, inspection rules, signs, Packaging, transportation and storage.

This standard applies to fatty acid soap thickening of the depth of the refined base oil, and added a variety of additives obtained for ambient temperature-40 °C ~ 70 °C non-bonded prestressed tendons with anti-corrosion grease.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the

latest edition (including all amendments) applies to this document.

GB/T 264 Petroleum products - Determination of acid value GB/T 269 Grease and grease cone penetration determination GB/T 512 grease moisture method GB/T 514 petroleum products - Test glass liquid thermometer - Technical conditions GB/T 1040.1 Plastics - Determination of tensile properties - Part 1. General GB/T 1040.2 Determination of tensile properties of plastics - Part 2. Test conditions for molding and extrusion of plastics GB/T 2361 anti-rust grease heat test method GB/T 4929 grease dropping point assay GB/T 7325 grease and lubricating oil evaporation loss assay Determination of lubricating oil grease cone method SH/T 0081 anti-rust oil spray test method SH/T 0164 petroleum products packaging, storage and delivery and acceptance rules SH/T 0229 Sampling methods for solid and semi-solid petroleum products SH/T 0325 Grease oxidation stability test SH/T 0327 greases - Determination of ash content SH/T 0331 grease corrosion test method

3 Terms and definitions

The following terms and definitions apply to this document.

Grease lubricatinggrease the thickener is dispersed in a liquid lubricant to form a stable semi-fluid to solid product. This product can be added Aims to improve the characteristics of additives and fillers.

Workconepenetration

In the standard grease work, the grease sample is heated to 25 °C after 60 reciprocating work, the standard cone vertical drop 5s,