

CHG 01611

**Arkwright-Boston Insurance
Mutual Boiler and Machinery Division**

225 Wyman Street, Waltham, Massachusetts 02154

LOSS PREVENTION REPORT

BOILER AND MACHINERY

FOR CHAMPLIN PETROLEUM COMPANY
6700 & 7350 I-37
Corpus Christi, Texas 78408

INDEX 74661.62
A/C

BY T. E. Hughes

ACCOUNT 26-21486

CONFERENCE Mr. Richard Arey, Chief Inspector
WITH

ON Dec. 12, 1986

The purpose of this report is to assist you in minimizing loss from boiler and machinery accidents to the extent feasible. When referring to this report, please use Index Number and Date of Inspection.

SCOPE OF INSPECTION

External Inspection of W.T. Boilers TX 122968 O/N 561-B-1, TX 122967 O/N 561-B-2, TX 122966 O/N 561-B-3, Unfired Steam Boilers TX 124632 O/N 553-B-1B, TX 124637 O/N 553-B-1B, TX 124636 O/N 553-E-5B, TX 124638 O/N 553-E-5A, TX 124642 O/N 521-E-11, TX 124639 O/N 554-E-1, and Steam Drums TX 124643 O/N 521-V-13 and TX 124640 O/N 527-V-12

General Inspection of Production Pressure Vessels, Centrifugal Compressors, and Power Transformers

RECOMMENDATION

B85-6-1 It is recommended that alternate methods of supplying the 4,160 V buses in this plant be provided.

Comments: The 4,160 V buses for the Coker, No. 5 Platformer, and the Hydrotreater each supply the recycle compressor and charge pumps for the train. These supplies are each by one transformer. There are no cross connects, spare transformers, or backup supplies provided. The potential loss of either of these three buses could provide a significant amount of unscheduled downtime in the affected unit. These alternate methods include, but are not limited to, a spare transformer or installed bus cross connect devices. A reliability study performed by the plant confirms that the 4,160 V transformers mentioned in Recommendation No. B85-6-1 provide a (over)

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Prepared by Factory Mutual Engineering Association

CH/W-002579

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FEB 12 1987
SAFETY & LOSS
CONTROL DEPT.

This report is intended to assist you in reducing the possibility of loss to the property insured with Arkwright-Boston Manufacturers Mutual Insurance Company by bringing to your attention hazards and lack of protection which need prompt consideration to prevent such loss to property. It is not intended to imply that all other hazards and conditions are under control at the time of this inspection. The liability of Arkwright-Boston Manufacturers Mutual Insurance Company is limited to that covered by their insurance policies. No other liability is assumed by reason of this report as it is only advisory in nature and the final decisions must be made by you.

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225 Wyman Street, Waltham, Massachusetts 02154

LOSS PREVENTION REPORT

BOILER AND MACHINERY

FOR CHAMPLIN PETROLEUM COMPANY
"OLD REFINERY & NEW REFINERY EXPANSION COMPLEX"
1801 Nueces Bay Blvd.
Corpus Christi, Texas 78408

BY T. E. Hughes

CONFERENCE WITH Mr. Gary Westbrook, Mgr. Inspection Eng.

ON Dec.12,1986

The purpose of this report is to assist you in minimizing loss from boiler and machinery accidents to the extent feasible. When referring to this report, please use Index Number and Date of Inspection.

SCOPE OF INSPECTION

External and Certificate Inspection of W.T. Boilers TX 34821 O/N 5 and TX 100602 O/N 61-B-1C

Internal and Certificate Inspection of W.T. Boiler TX 107509 O/N 61-B-1A

COMMENTS

Examination of the fireside, waterside and external surfaces of W.T. Boiler TX 107509 revealed no evidence of defects or adverse conditions. Examination of W.T. Boilers TX 34821 and TX 100602, while in service, revealed no evidence of defects or adverse conditions about the accessible pressure parts, piping, valves or safety devices. Review of records indicate the low water fuel cutoff devices are manually tested by the quick drain method on a daily basis. Records also indicate the safety valves are removed and bench tested on an annual basis.

Overall boiler conditions appear satisfactory for continued operations. Certificates were issued.

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JAN 15 1987

SAFETY & LOSS
CONTROL DEPT.

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CH/W-002581

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A/C

BY T. E. Hughes

ACCOUNT 26-21486

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WITH

ON Dec. 12, 1986

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CH/W-002582

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