

Engineering Standard

SAES-O-121

12 October, 2005

Protection of Diesel Engines

Safety & Security Standards Committee Members

Ghabbani, A.A., Chairman

Al-Mugbel, W.M.

Al-Tuwaijri, A.I.

Al-Zahrani, H.S.

Fadley, G.L.

Lentz, S.A.

Solaiman, M.Z.

Welsh, D.

Saudi Aramco DeskTop Standards

Table of Contents

1	General.....	2
2	Amendments.....	2
3	Commentary.....	2

1 General

This standard refers to the Protection of Diesel Engines operating in a hazardous environment. This Standard shall be used in conjunction with Safety and Security Directive No. 21 (SSD/21) of the Saudi Arabian Government Supreme Commission for Industrial Security.

2 Amendments

Safety and Security Directive No. 21 has not been amended by the Supreme Commission for Industrial Security.

3 Commentary

Certain clarifications have resulted from applying this standard to Saudi Aramco projects. The following items reflect a general understanding reached with representatives of the Supreme Commission for Industrial Security and should be verified through liaison by the Proponent with the General Manager of Industrial Security Operations. The GM of ISO will contact the Managers of the Consulting Services Department and/or Loss Prevention Department in case there are conflicts with other company engineering standards and materials specifications, standard drawings or Industry Codes.

- 3.1 Division/Zone 1 is equivalent to class I Division 1 as defined by the National Electric Code (NEC).
- 3.2 Division/Zone 2 is equivalent to Class I Division 2 as defined by the National Electric Code (NEC).
- 3.3 Reference Standards (Latest Edition)

Saudi Aramco Engineering Standards

<i>SAES-B-001 Thru 99</i>	<i>Fire and Safety Standards</i>
<u>SAES-O-100</u>	<i>Safety and Security, General Requirements</i>
<u>SAES-O-118</u>	<i>Fire Fighting Equipment</i>
<u>SAES-B-068</u>	<i>Electrical Area Classification</i>

Safety and Security Directive

<i>SSD/21</i>	<i>The Protection of Diesel Engines Fitted to Stationary and Mobile Equipment Operating in Hazardous Areas</i>
---------------	--

Industry Codes and Standards

NEC

National Electric Code

Revision Summary

12 October, 2005

Revised the "Next Planned Update". Reaffirmed the contents of the document, and reissued with no other changes.