



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. P-13814

This is to certify that the
Gaskets and Sealings

with type designation(s)

Spiral Wound Gasket - Cryogenic - Types JIC 3834-R-SF & JIC 3834-R-SF

Manufactured by

Jeli E&S Co., Ltd.

Kyungnam Korea, Republic of Korea

is found to comply with

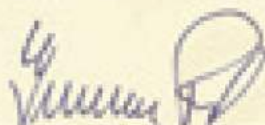
Det Norske Veritas' Rules for Classification of Ships

Application

Cryogenic Service for LNG Plants & LNG Carriers

Temperature range:	- 196 deg.C
Max. working press.:	ASME Class 150: 19 barg, ASME Class 300: 40 barg
Design:	Austenitic Stainless Steel w/ Flexible Graphite Filler (non-asbestos)
Sizes:	1/2" to 26" (NPS)

Havik, 2011-04-27
for Det Norske Veritas AS


Olvin Lorentzen
Head of Section

DNV local office:
Pusan



This Certificate is valid until
2015-04-30


Tom Bjørn Hansen
Principal Surveyor

This Certificate is subject to terms and conditions described. Any significant change in design or construction may render this Certificate invalid.

This validity does not relate to the Type Approval Certificate and not to the approval of equipment/systems installed.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall only compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.