

APPROVAL OF SERVICE SUPPLIERS

This is to certify that

Emirates Industrial Laboratory L.L.C

DUBAI, United Arab Emirates

is granted acceptance for

**Non-Destructive Testing (NDT) on classification projects , in accordance with
Class Programme DNVGL-CP-0484.**

This service supplier certificate will be accepted for use with all rule sets published by DNV GL.
See the following page(s) for details regarding application.

This Certificate is valid until **2023-05-31**.

Issued at **New Building Dubai** on **2020-06-01**



for **DNV GL**

This document has been digitally signed and
will therefore not have handwritten signatures

Chacko, Dixon
Senior Surveyor

This Certificate may be withdrawn if:

1. The service provided has been improperly carried out or the results improperly reported.
2. The surveyor has found any deficiencies in the accepted operating systems of the service supplier.
3. The firm has failed to inform of any major changes having effect on the quality of the service rendered.
4. The conditions listed in the certificate are changed and/or are not fulfilled.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Application:

Emirates Industrial Laboratory L.L.C has been approved for the below NDT methods with limitations and restrictions as specified in section for Remarks.


- Magnetic Particle Testing, MT
- Penetrant Testing, PT
- Ultrasonic Testing, UT
- Radiographic Testing, RT

Remarks:

1. Renewal audit of the service supplier was carried out on 29 February 2020.
2. The service supplier, EIL undertakes the responsibility to notify DNV GL about any changes to the procedures or the personnel prior to the changes coming into effect.
3. The certificate is based upon the following conditions:
 - The requirements stated in DNV GL approval Programme DNVGL-CP-0484, B04 continues to be met.
 - EIL shall only work according to approved NDT procedures filed under Nauticus Certification Production, job ID: A0747605 and listed below:
 1. MT utilising AC Yoke and Colour Contrast Technique according to procedure no. EIL-DNV-021, rev 01, dated 27 February 2020 or later approved revision.
 2. PT utilising Colour Contrast, Solvent Removable Technique according to procedure no. EIL-DNV-020, rev 01, dated 27 February 2020 or later approved revision.
 3. UT utilising Pulse-Echo technique for full penetration welds in plates, pipes, T- and Y-joints in C, C-Mn and alloy steels and aluminium welds according to procedure no. EIL-DNV-019, rev 01, dated 27 February 2020 or later, approved revision. Testing of welds in duplex and austenitic stainless steels and tubular TKY (node) welds are excluded.
 4. RT of welds in carbon and stainless steel using x-ray, Se-75 or Ir-192 with film detectors; according to procedure no. EIL-DNV-018, rev 01, dated 27 February 2020 or later, approved revision.
 5. RT film interpretation of welds; according to procedure no. EIL-DNV-023, rev 01, dated 27 February 2020 or later, approved revision.

S No	Supervisor	Certificate No	Method	Level
1	Karbhari H. Halde	191262 (ASNT)	MT, PT, UT, RT	3
2	Santanu Saha	99511 (ASNT) 213300 (PCN)	MT, PT, UT, RT	3

S No	Operator	Certificate No	Method	Level
1	Ganesh Wilson	EIL/NDT/1338/1	RT	2
2	Manikandaprakash Jeganathan	324236 (PCN)	MT, PT, UT, RT	2
3	Riyasat Ali Khan Mohammed	310586 (PCN)	MT, PT, UT	2
4	Yogesh Sen Laxminarayan Sen	337791 (PCN)	MT, PT, UT	2
5	Govindaraj Palani	334360 (PCN)	MT, PT, UT	2



Certificate No: **AOSS0000GHR**

S No	Operator	Certificate No	Method	Level
6	Peter Esthaki	336424 (PCN)	MT, PT, UT	2
7	Raguman Sherif Basha	337313 (PCN)	RTFI	2
8	K Gowtham Krishnan	340463 (PCN)	MT, UT	2
9	S Karthikeyan P Srinivasan	340417 (PCN)	UT	2