Scaffolding Master for scaffolding & supplies

MASTERSCAF

Formwork

Offshore

System for oil & Gas Works

Durable | Cost Effective | Time Saver | Safe



9001 - 14001 - 45001

www.masterscaf.com

Ver. 2023

Easy to install

Offshore

System for oil & Gas Works

Economic

www.masterscaf.com

WELCOME





Safe



saver



Offshore System

System Introduction

Masterscaf for scaffolding & supply have experience in scaffolding industry.
Our services will enhance site productivity and safety.
We are committed to leading the development of safe working at height and have been involved in some of the largest and most complex projects in Egypt.
We work closely with our customers to ensure we are able to deliver a tailored solution within an agreed budget and timetable.



Time Saver Durable Safe Cost Effective



Offshore System

Products & Services

Site support & surveys

Can be provided to ensure you achieve the most cost effective access solution for your project.

Industrial Projects

Masterscaf for scaffolding & supply provides access solutions for :
Petrochemical Plants, Power Generation,Planned Maintenance, Emergency Shutdowns, LNG Projects, Pipe Racks, Jetties, Fabrication, Hook-up,Offshore Oil and Gas Industry. Many of these environments provide some of The most demanding working conditions.
Only the most rigorous approach to safety, quality, and overall professionalism is acceptable.
Masterscaf for scaffolding & supply have an enviable Reputation in this field.

Construction

Masterscaf for scaffolding & supply has provided scaffolding, men and materials for a wide variety of construction projects of all sizes, and for many of the major construction companies throughout Egypt. Whether you require a simple access scaffold or a custom designed solution, Masterscaf for scaffolding & supply can bring a wealth of experience to a project.

Erect & Dismantle Services

Masterscaf for scaffolding & supply provides a hire and erect service to compliment its range of access products. Skilled and experienced scaffolders can boost productivity by EDS for supply of scaffolders, minimize costs, and reduce the safety concerns associated with many projects. The rental of materials can be included in our proposals.

Inspections

Regulations require that a competent person inspects the scaffold every 7 days. Masterscaf provide suitably qualified personnel to carry out these inspections and ensure your scaffolding is safe for use.

Design

Masterscaf for scaffolding & supply have a team of experienced design engineers equipped with the latest design software to provide a tailored design solution when site requirements demand it.



Offshore System

Product & Service

Safety

Masterscaf for scaffolding & supply is committed to setting the standard for safe working practices in the access industry and comply with BS EN 12811-Parts 1&2:2004. The aim of the Masterscaf for scaffolding & supply safety management system is to provide the safest possible working environment for our staff and our customers.

Local Manufacture

Masterscaf can manufacture the majority of our scaffolding requirements at our Factory locate in obour city industry zone. All products used by Masterscaf for scaffolding & supply are subjected to rigorous inspection at the point of manufacture and on a continuous basis while in service to ensure that our performance meets our exacting standard.
Masterscaf have knowledge, the experience, and the solution for your access requirements.

Scaffolding Tubes

Galvanized or black tube is available
4.00 mm or 3.25 mm wall thickness also properties of steel tube.

Wall thickness	4.00 mm	3.25 mm
Nominal outer diameter	48.30 mm	48.30 mm
Sectional area	5.57 cm2	4.53 cm2
Moment of inertia	1.80 cm3	11.60 cm3
Elastic Modulus	5.70 cm3	4.80 cm3
Radius of gyration	1.57 mm	1.60 mm



Offshore System

Scaffold Couplers

Forged Double Coupler



Class	: B
Weight (kg)	: 0.95
Slipping Force (kn)	: 9.10
Ultimate load (kn)	: 30

Forged Swivel Coupler



Class	: A
Weight (kg)	: 1.10
Slipping Force (kn)	: 6.10
Ultimate load (kn)	: 14

Sleev Coupler



Class	: A
Weight (kg)	: 0.96
Slipping Force (kn)	: 3.60
Ultimate load (kn)	: 6

Board Retaining Clamp



Weight (kg)	: 0.62

Forged Putlog Coupler



Weight (kg)	: 0.65
Slipping Force (kn)	: 0.63

Gravlock Girder Clamp



Weight (kg)	: 1.40
Uniformly loaded per pair	: 30 kn
force on leading coupler	:15 kn



Offshore System

Access stair unit

Stairway unit complete set

Designed to save time by enabling personnel to enter & move through work areas with greater convenience & safety .



Castor wheel

Provide movements to the Cuplock Towers from different places .



Steel Ladder Beam

Item	Weight Kg
Steel Ladder Beam 6.00 m	45.00
Steel Ladder Beam 5.00 m	37.50
Steel Ladder Beam 4.00 m	30.00
Steel Ladder Beam 3.00 m	22.50



Steel Plank

use as a waik way for labor movement .
Steel Plank lengths are available in different sizes which.

Item with length	Weight Kg
Steel plank length 1.20	8.15
Steel plank length 1.60	10.68
Steel plank length 1.80	12.22
Steel plank length 2.50	17.00



Offshore System

Scaffolding Board

Scaffold Boards are anatural resource are not a factory
production item like many of our products . this means that carful visual inspection is important , as they perform avital safety function in providung a secure working platform

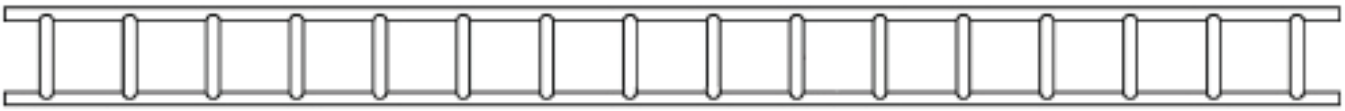
LVL scaffolding board wide 225 mm x thick 38 mm

Item with length	Weight Kg
LVL scaffolding board Length 3.95 m	8.15
LVL scaffolding board Length 3.00 m	10.68
LVL scaffolding board Length 2.50 m	12.22
LVL scaffolding board Length 2.00 m	17.00
LVL scaffolding board Length 1.50 m	13.00



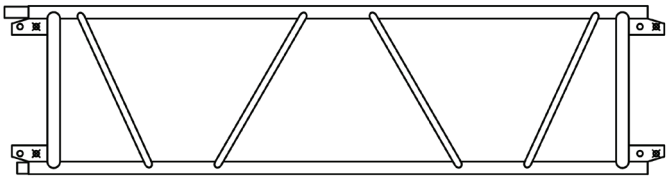
Ladder Beam

Item	Weight Kg
Ladder Beam 6.00 m	76.20
Ladder Beam 5.00 m	37.50
Ladder Beam 4.00 m	30.00
Ladder Beam 3.00 m	22.50



Unit Beam

Item	Weight Kg
Unit Beam 3.60 m / 3.25 mm- st 52	36.00
Unit Beam 2.40 m / 3.25 mm- st 52	25.00



Offshore System

Our Certificate



INSTITUTE OF GLOBAL CERTIFICATION

Institute of Global Certification

IGC

Management System Certification Body No. MSCB-105

CERTIFICATE

No. 22-A-4211 Rev. 0

(MASTERSCAF) Master for Scaffolding, Form Work & Supplies

Industrial area B,C No 27001 El Obour City –Egypt

Company Reg. No.: NA

has documented and implemented system in compliance with the requirements of

ISO 9001:2015
Quality Management System

for

- **Design, Development and Installation of Shuttering and Formwork.**
- **Design, Development and Prefabrication of Steel Buildings.**
- **Development, Manufacturing and Installation of Storage System, Shoring and Scaffolding.**
- **Renting of formwork, Shoring Scaffolding and All Scaffolding Accessories.**

IAF Code: 28, 32

The certificate is issued on the basis of the results mentioned in the pertinent audit report.
Validity of the certificate is conditionally limited by positive results of surveillance audits, which the certified company is committed to undergo.

This certificate can be invalid if the certificate holder does not fulfill the conditions set out in the certification agreement.

Initial issue date: Mar. 22. 2022
Expire date: Mar. 21. 2025

Institute of Global Certification IGC ISO 9001 CERTIFIED

IAS ACCREDITED Management Systems Certification Body MSCB-105

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

G. Gilbert
G.Gilbert
Head of Certification Body

Rm. 501, Daeryung techno town, 638, Seobusaet-gil,
Geumcheon-gu, Seoul, Republic of Korea
www.igcert.org

Offshore System

Scaffolding Master for scaffolding & supplies
MASTERSCAF
Formwork

Our Certificate



INSTITUTE OF GLOBAL CERTIFICATION

Institute of Global Certification
IGC

Management System Certification Body No. MSCB-105

CERTIFICATE

No. 22-C-1953 Rev. 0

(MASTERSCAF) Master for Scaffolding, Form Work & Supplies

Industrial area B,C No 27001 El Obour City –Egypt

Company Reg. No.: NA

has documented and implemented system in compliance with the requirements of

ISO 14001:2015
Environmental Management System

for

- **Design, Development and Installation of Shuttering and Formwork.**
- **Design, Development and Prefabrication of Steel Buildings.**
- **Development, Manufacturing and Installation of Storage System, Shoring and Scaffolding.**
- **Renting of formwork, Shoring Scaffolding and All Scaffolding Accessories.**

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Institute of Global Certification IGC ISO 14001 CERTIFIED
IAS ACCREDITED Management Systems Certification Body MSCB-105
MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

G. Gilbert
G.Gilbert
Head of Certification Body

Rm. 501, Daeryung techno town, 638, Seobusaet-gil, Geumcheon-gu, Seoul, Republic of Korea
www.igcert.org

Offshore System

Our Certificate



INSTITUTE OF GLOBAL CERTIFICATION

Institute of Global Certification

IGC

Management System Certification Body No. MSCB-105

CERTIFICATE

No. 22-D-0663 Rev. 0

(MASTERSCAF) Master for Scaffolding, Form Work & Supplies

Industrial area B,C No 27001 El Obour City –Egypt

Company Reg. No.: NA

has documented and implemented system in compliance with the requirements of

ISO 45001:2018

Occupational Health and Safety Management System

for

- **Design, Development and Installation of Shuttering and Formwork.**
- **Design, Development and Prefabrication of Steel Buildings.**
- **Development, Manufacturing and Installation of Storage System, Shoring and Scaffolding.**
- **Renting of formwork, Shoring Scaffolding and All Scaffolding Accessories.**

IAF Code: 28, 32

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G.Gilbert
Head of Certification Body

Institute of Global Certification IGC ISO 45001 CERTIFIED

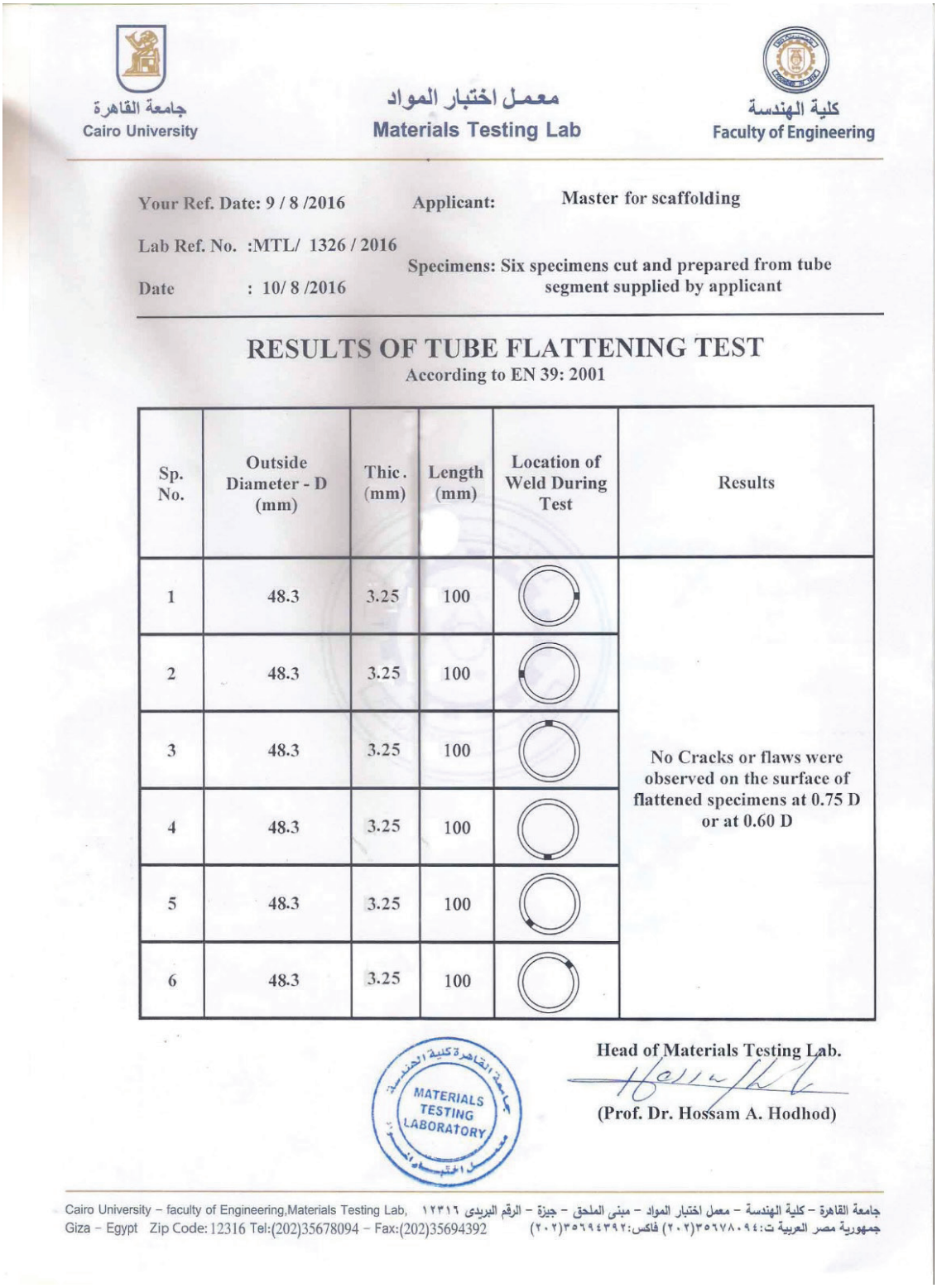
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www.igcert.org

Offshore System

Our Materials Test



جامعة القاهرة
Cairo University

معمل اختبار المواد
Materials Testing Lab

كلية الهندسة
Faculty of Engineering

Your Ref. Date: 9 / 8 /2016 Applicant: Master for scaffolding

Lab Ref. No. :MTL/ 1326 / 2016

Date : 10/ 8 /2016 Specimens: Six specimens cut and prepared from tube segment supplied by applicant

RESULTS OF TUBE FLATTENING TEST

According to EN 39: 2001

Sp. No.	Outside Diameter - D (mm)	Thic. (mm)	Length (mm)	Location of Weld During Test	Results
1	48.3	3.25	100		No Cracks or flaws were observed on the surface of flattened specimens at 0.75 D or at 0.60 D
2	48.3	3.25	100		
3	48.3	3.25	100		
4	48.3	3.25	100		
5	48.3	3.25	100		
6	48.3	3.25	100		

MATERIALS TESTING LABORATORY

Head of Materials Testing Lab.

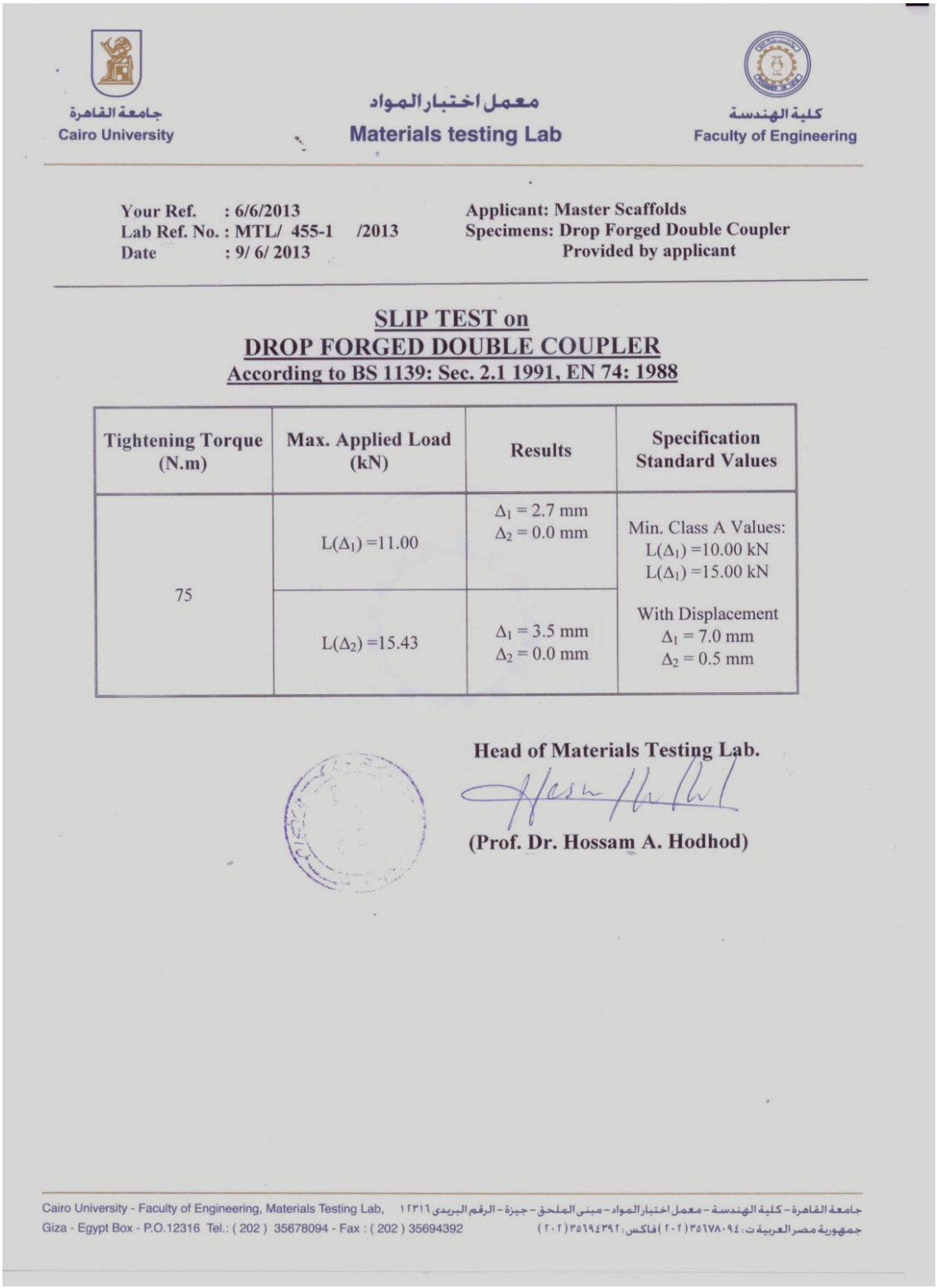
(Prof. Dr. Hossam A. Hodhod)

Cairo University – faculty of Engineering,Materials Testing Lab, Giza – Egypt Zip Code: 12316 Tel:(202)35678094 – Fax:(202)35694392

جامعة القاهرة – كلية الهندسة – معمل اختبار المواد – مبنى الملحق – جيزة – الرقم البريدى ١٢٣١٦ جمهورية مصر العربية ت:٣٥٦٧٨٠٩٤(٢٠٢) فاكس:٣٥٦٩٤٣٩٢(٢٠٢)

Offshore System

Our Materials Test



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Cairo University

معمل اختبار المواد
Materials testing Lab

كلية الهندسة
Faculty of Engineering

Your Ref. : 6/6/2013
Lab Ref. No. : MTL/ 455-1 /2013
Date : 9/ 6/ 2013

Applicant: Master Scaffolds
Specimens: Drop Forged Double Coupler
Provided by applicant

SLIP TEST on
DROP FORGED DOUBLE COUPLER
According to BS 1139: Sec. 2.1 1991, EN 74: 1988

Tightening Torque (N.m)	Max. Applied Load (kN)	Results	Specification Standard Values
75	$L(\Delta_1)$ =11.00	Δ_1 = 2.7 mm Δ_2 = 0.0 mm	Min. Class A Values: $L(\Delta_1)$ =10.00 kN $L(\Delta_1)$ =15.00 kN
	$L(\Delta_2)$ =15.43	Δ_1 = 3.5 mm Δ_2 = 0.0 mm	With Displacement Δ_1 = 7.0 mm Δ_2 = 0.5 mm

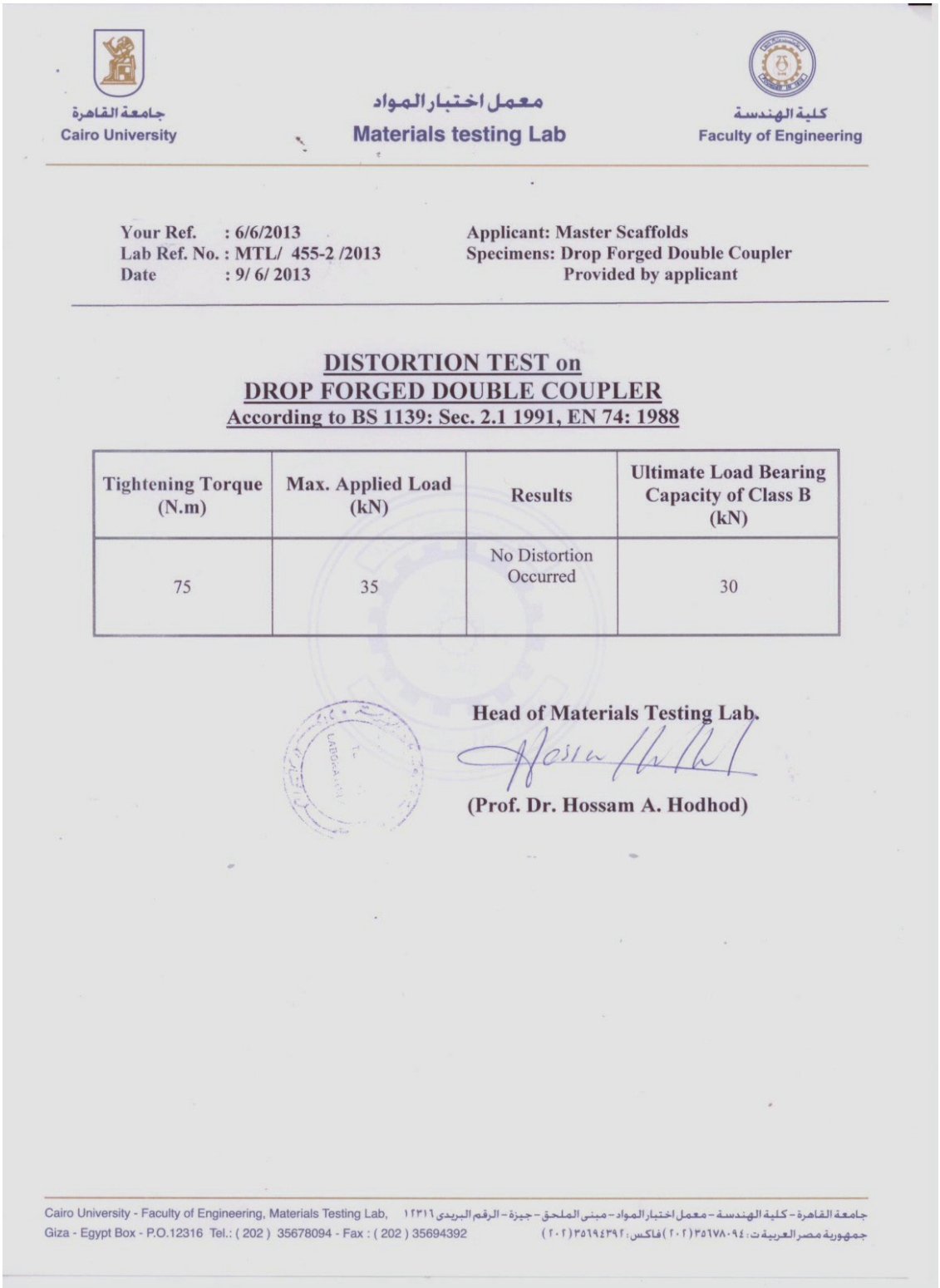
Head of Materials Testing Lab.

(Prof. Dr. Hossam A. Hodhod)

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Offshore System

Our Materials Test



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Cairo University

معمل اختبار المواد
Materials testing Lab

كلية الهندسة
Faculty of Engineering

Your Ref. : 6/6/2013
Lab Ref. No. : MTL/ 455-2 /2013
Date : 9/ 6/ 2013

Applicant: Master Scaffolds
Specimens: Drop Forged Double Coupler
Provided by applicant

DISTORTION TEST on
DROP FORGED DOUBLE COUPLER
According to BS 1139: Sec. 2.1 1991, EN 74: 1988

Tightening Torque (N.m)	Max. Applied Load (kN)	Results	Ultimate Load Bearing Capacity of Class B (kN)
75	35	No Distortion Occurred	30

Head of Materials Testing Lab.

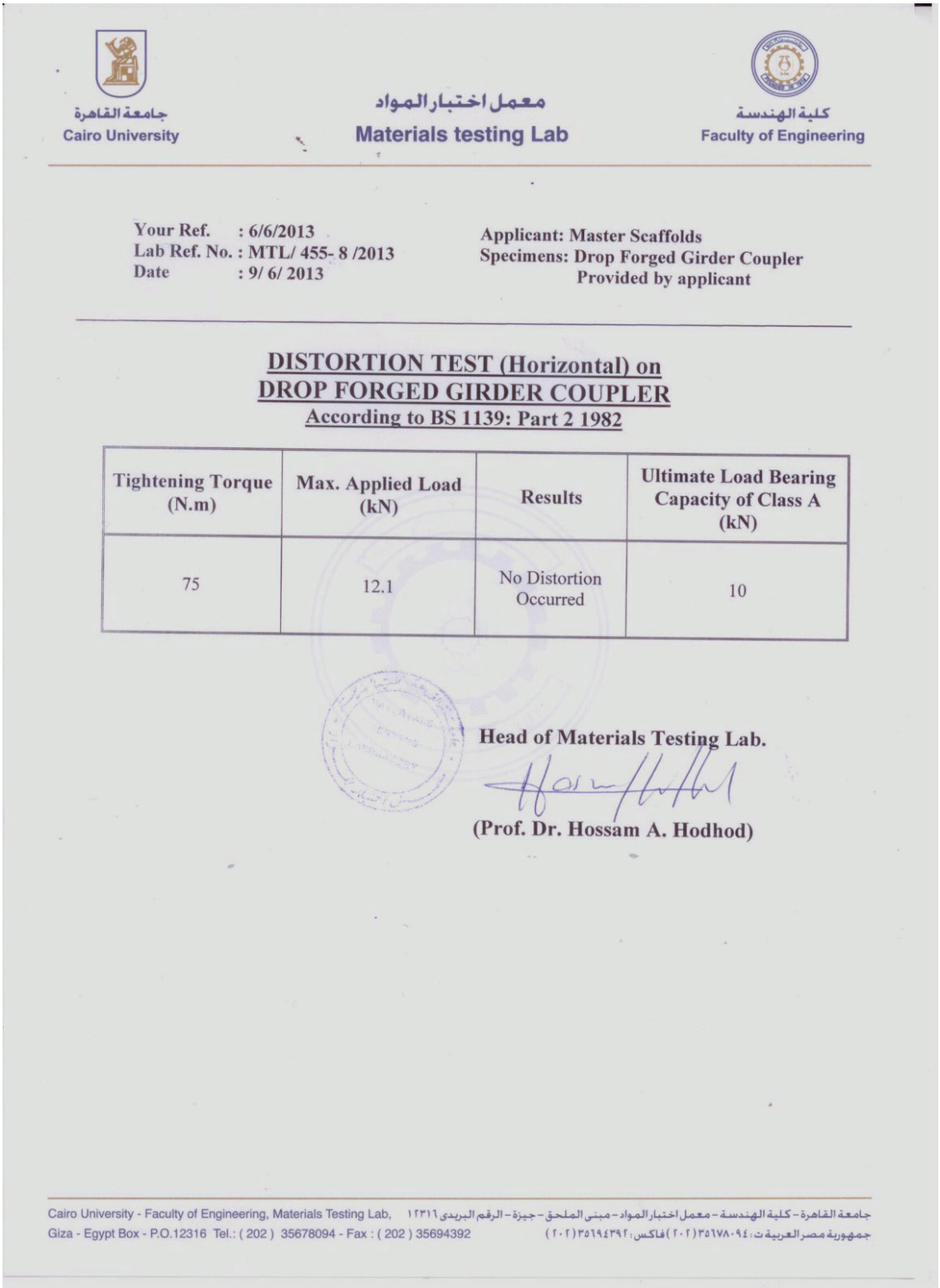
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Materials testing Lab

كلية الهندسة
Faculty of Engineering

Your Ref. : 6/6/2013
Lab Ref. No. : MTL/ 455- 8 /2013
Date : 9/ 6/ 2013

Applicant: Master Scaffolds
Specimens: Drop Forged Girder Coupler
Provided by applicant

DISTORTION TEST (Horizontal) on
DROP FORGED GIRDER COUPLER
According to BS 1139: Part 2 1982

Tightening Torque (N.m)	Max. Applied Load (kN)	Results	Ultimate Load Bearing Capacity of Class A (kN)
75	12.1	No Distortion Occurred	10

Head of Materials Testing Lab.

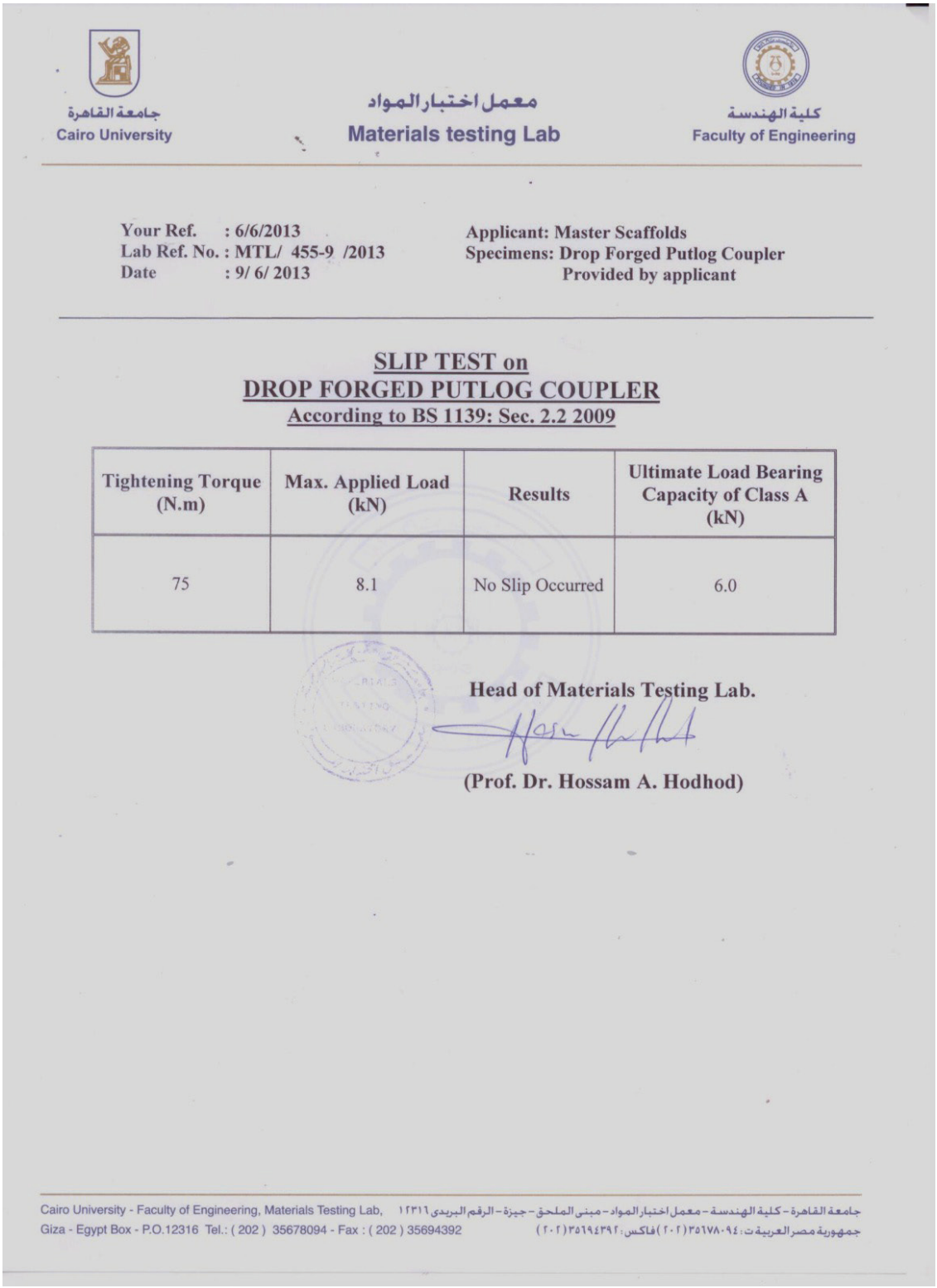
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Cairo University

معمل اختبار المواد
Materials testing Lab

كلية الهندسة
Faculty of Engineering

Your Ref. : 6/6/2013
Lab Ref. No. : MTL/ 455-9 /2013
Date : 9/ 6/ 2013

Applicant: Master Scaffolds
Specimens: Drop Forged Putlog Coupler
Provided by applicant

SLIP TEST on
DROP FORGED PUTLOG COUPLER
According to BS 1139: Sec. 2.2 2009

Tightening Torque (N.m)	Max. Applied Load (kN)	Results	Ultimate Load Bearing Capacity of Class A (kN)
75	8.1	No Slip Occurred	6.0

Head of Materials Testing Lab.

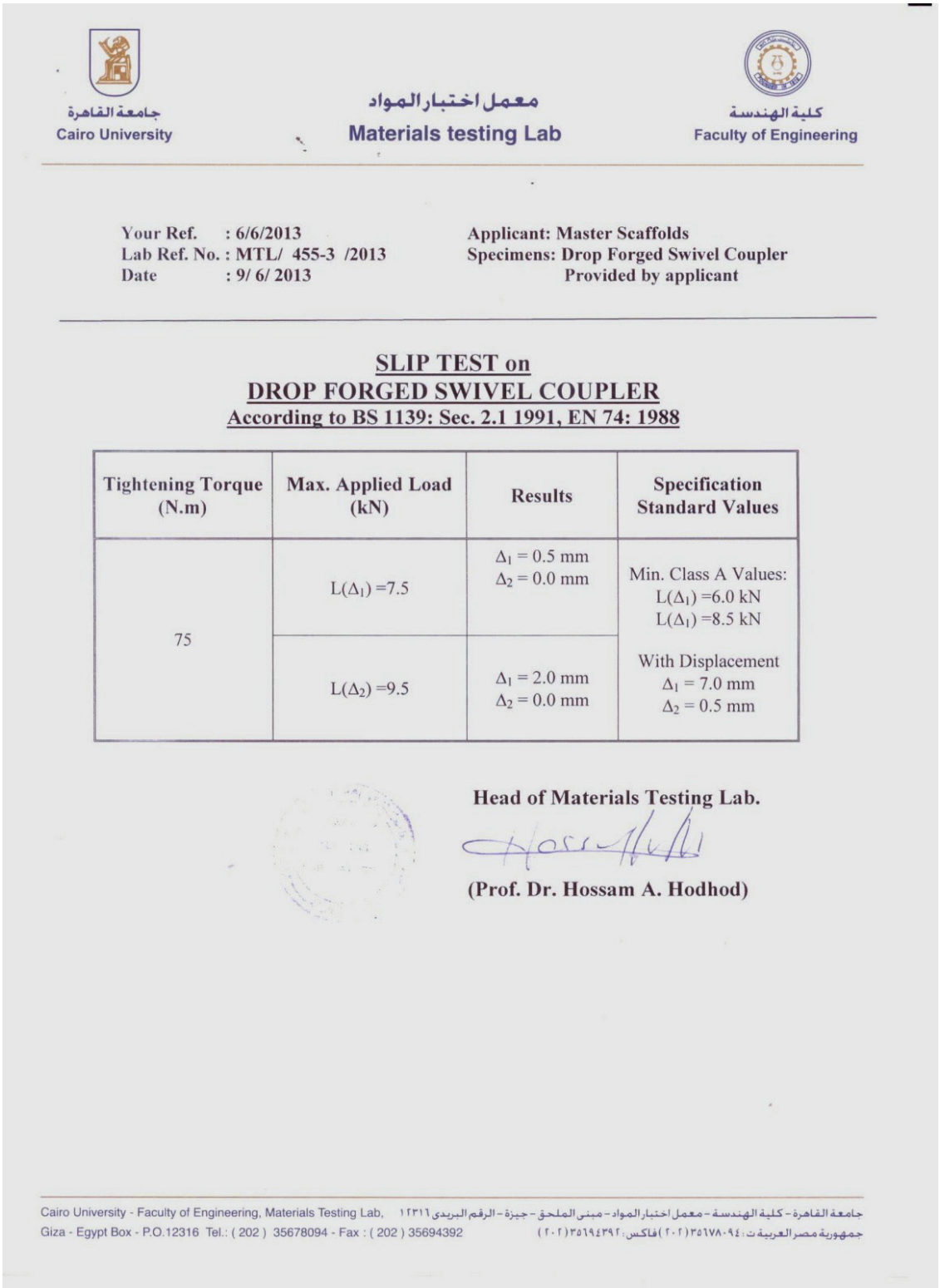
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معمل اختبار المواد
Materials testing Lab

كلية الهندسة
Faculty of Engineering

Your Ref. : 6/6/2013
Lab Ref. No. : MTL/ 455-3 /2013
Date : 9/ 6/ 2013

Applicant: Master Scaffolds
Specimens: Drop Forged Swivel Coupler
Provided by applicant

SLIP TEST on
DROP FORGED SWIVEL COUPLER
According to BS 1139: Sec. 2.1 1991, EN 74: 1988

Tightening Torque (N.m)	Max. Applied Load (kN)	Results	Specification Standard Values
75	$L(\Delta_1)$ =7.5	Δ_1 = 0.5 mm Δ_2 = 0.0 mm	Min. Class A Values: $L(\Delta_1)$ =6.0 kN $L(\Delta_1)$ =8.5 kN
	$L(\Delta_2)$ =9.5	Δ_1 = 2.0 mm Δ_2 = 0.0 mm	With Displacement Δ_1 = 7.0 mm Δ_2 = 0.5 mm

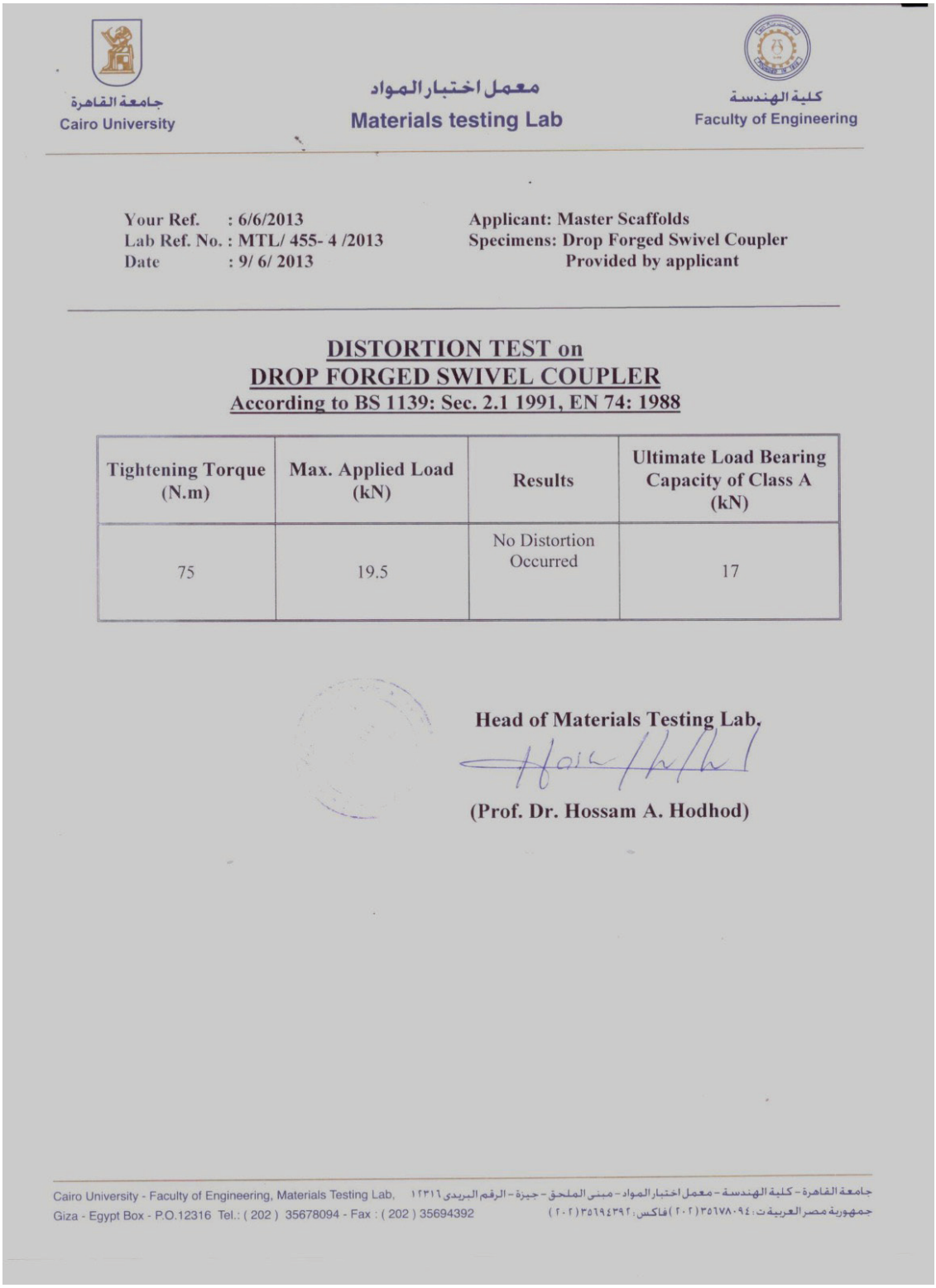
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معمل اختبار المواد
Materials testing Lab

كلية الهندسة
Faculty of Engineering

Your Ref. : 6/6/2013
Lab Ref. No. : MTL/ 455- 4 /2013
Date : 9/ 6/ 2013

Applicant: Master Scaffolds
Specimens: Drop Forged Swivel Coupler
Provided by applicant

DISTORTION TEST on
DROP FORGED SWIVEL COUPLER
According to BS 1139: Sec. 2.1 1991, EN 74: 1988

Tightening Torque (N.m)	Max. Applied Load (kN)	Results	Ultimate Load Bearing Capacity of Class A (kN)
75	19.5	No Distortion Occurred	17

Head of Materials Testing Lab.

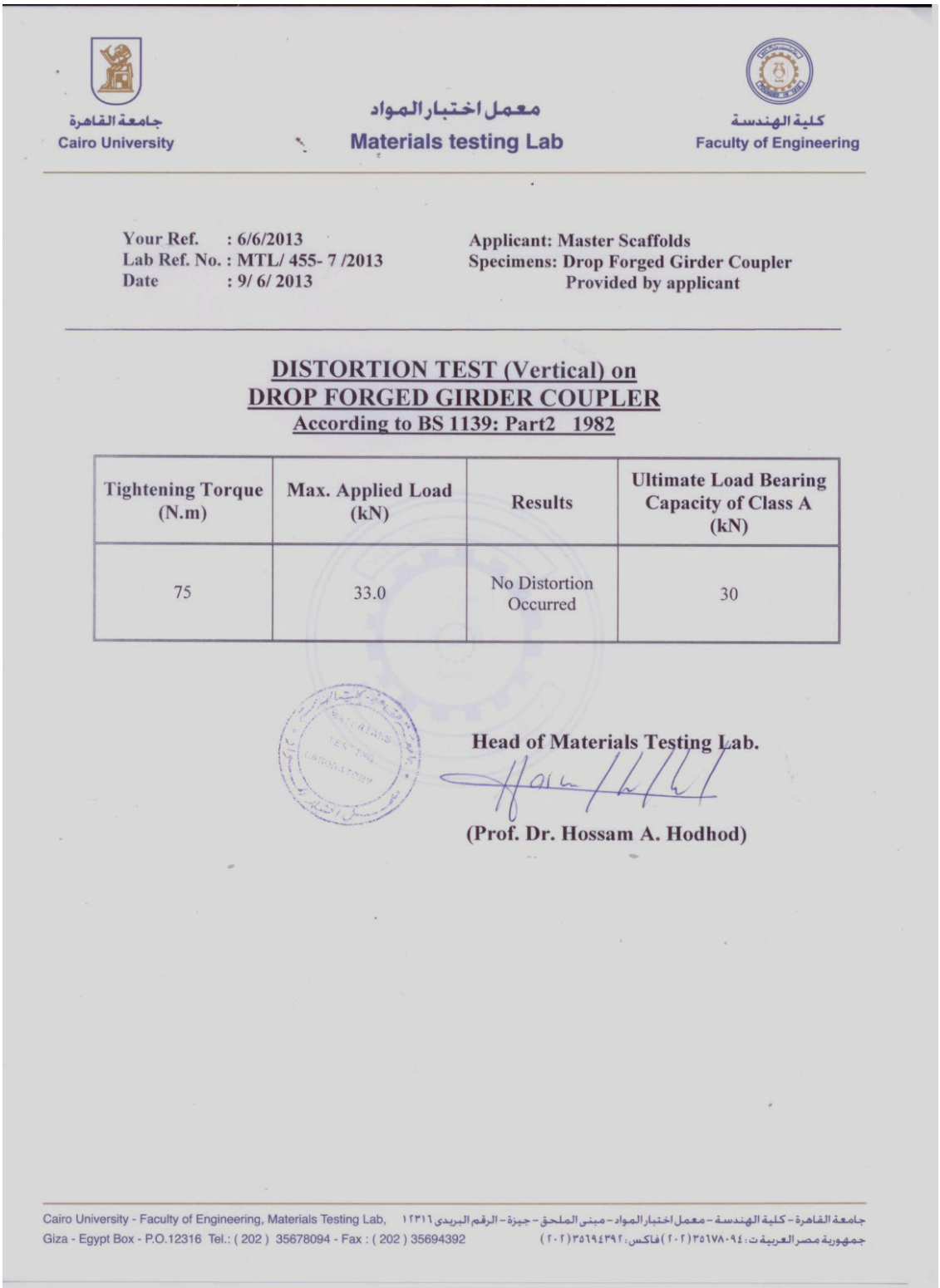
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Offshore System

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Cairo University

معمل اختبار المواد
Materials testing Lab

كلية الهندسة
Faculty of Engineering

Your Ref. : 6/6/2013
Lab Ref. No. : MTL/ 455- 7 /2013
Date : 9/ 6/ 2013

Applicant: Master Scaffolds
Specimens: Drop Forged Girder Coupler
Provided by applicant

DISTORTION TEST (Vertical) on
DROP FORGED GIRDER COUPLER
According to BS 1139: Part2 1982

Tightening Torque (N.m)	Max. Applied Load (kN)	Results	Ultimate Load Bearing Capacity of Class A (kN)
75	33.0	No Distortion Occurred	30

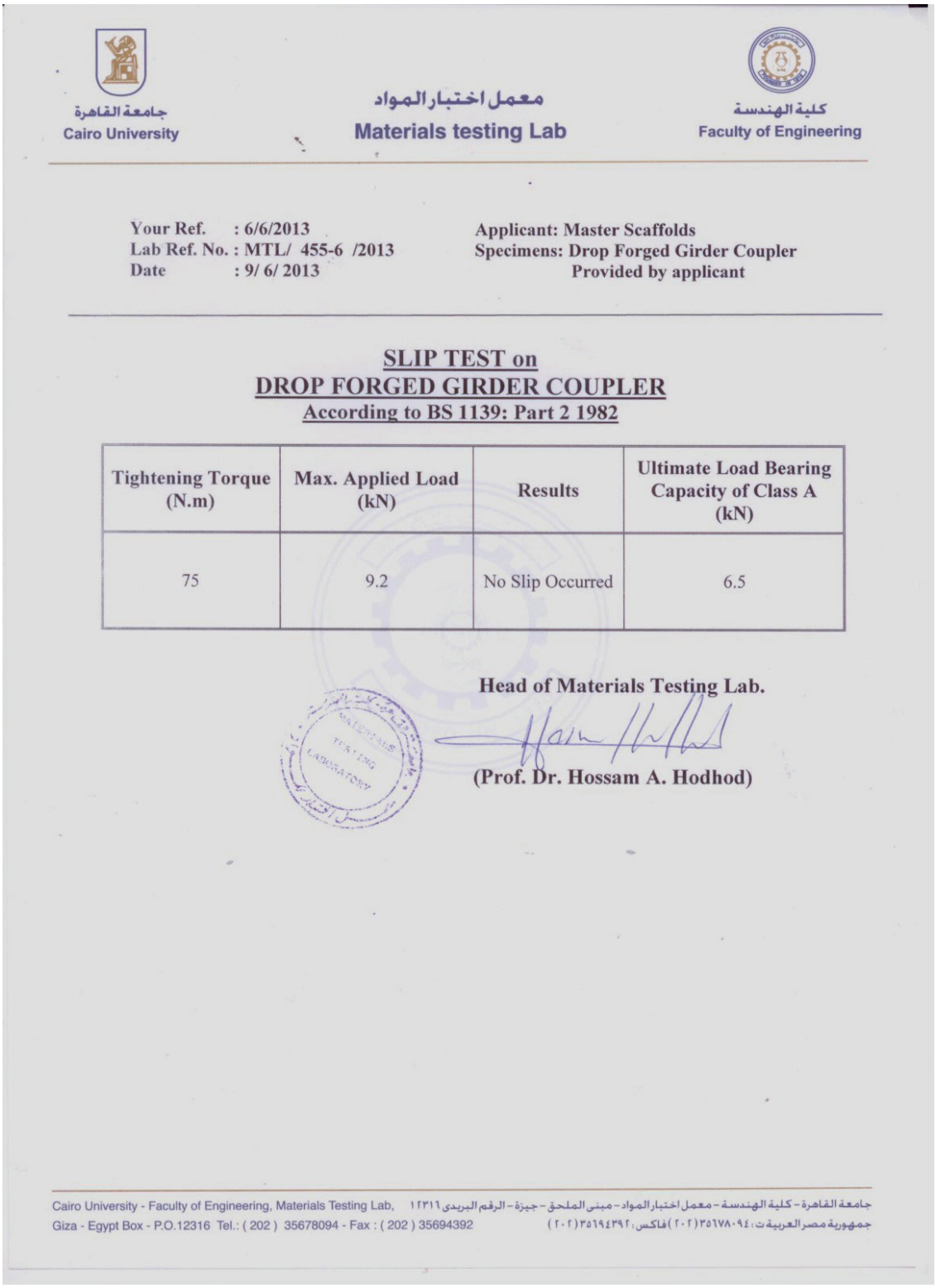
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Offshore System

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Materials testing Lab

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Faculty of Engineering

Your Ref. : 6/6/2013
Lab Ref. No. : MTL/ 455-6 /2013
Date : 9/ 6/ 2013

Applicant: Master Scaffolds
Specimens: Drop Forged Girder Coupler
Provided by applicant

SLIP TEST on
DROP FORGED GIRDER COUPLER
According to BS 1139: Part 2 1982

Tightening Torque (N.m)	Max. Applied Load (kN)	Results	Ultimate Load Bearing Capacity of Class A (kN)
75	9.2	No Slip Occurred	6.5

Head of Materials Testing Lab.

(Prof. Dr. Hossam A. Hodhod)

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جامعة القاهرة - كلية الهندسة - معمل اختبار المواد - مبنى الملحق - جيزة - الرقم البريدى ١٢٣١٦
جمهورية مصر العربية ت: ٣٥٦٧٨٠٩٤ (٢٠٢) فاكس: ٣٥٦٩٤٣٩٢ (٢٠٢)

Offshore System

Offshore Projects

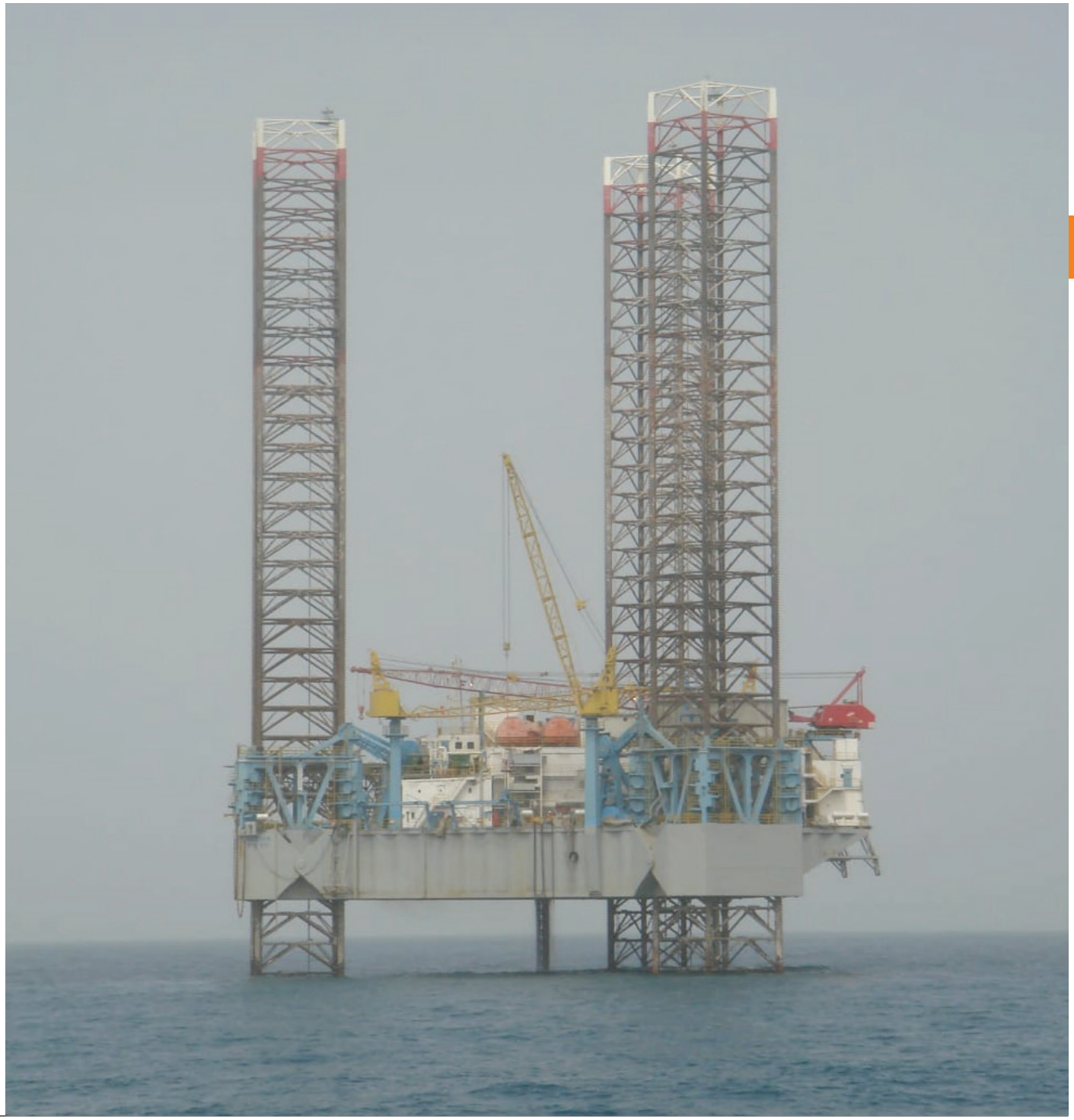
Time Saver Durable Safe Cost Effective



Offshore System

Offshore Projects

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Version **2023**

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