

TCR Arabia Company Limited Inspection, Testing & Advisory **Redefining Reliability**

TCR Technology Newsletter

1st Quarter 2018

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Topic of the Quarter – Food Testing Laboratory (Microbiology and Chemistry)



TCR Arabia Food testing division provides the following range of services using its multi-disciplinary certified and experienced personnel team of professionals:

Food microbiology Services Food Chemistry Services Water Chemistry Services Food born illness investigation Shelf life determination

Environmental hygiene monitoring Water microbiology testing Antimicrobial activity of chemicals/disinfectants determination of energy value in food Chemical analysis of drinking water

TCR Arabia undertakes material testing as per international standards and specifications as defined by ASTM, SASO, BAM, CCFRA, BS, APHA and others. Testing can also be done as per clientsupplied specifications.







جنةالسعوديةللاعتماد Saudi Accreditation Committee ISO 17025 Accredited





Inspection, Testing & Advisory Redefining Reliability

Topic of the Quarter – Food testing laboratory

Food Quality Testing and Food borne illness investigation

Food borne illness investigation: TCR Arabia investigation of food born illness and for different catering companies and monitoring their personnel hygiene, kitchen hygiene, storage conditions, critical and critical control points etc.

<u>Microbial analysis of food</u>: Bacteriological analysis of all types of food like pasta, macaroni, milk and milk products ,fresh , chilled, frozen meat and poultry , ready to eat foods . imported to Saudi Arabia, quality testing as per SASO , GS, APHA, CCFRA, AOAC methods. for TVC, Yeast and mould, Enterobacteriacea, Total Coliforms, E-coli, E-coli0157:H7, Staph aureus Coag+ve, Listeria monocytogene, salmonella, Bacillus cereus, Vibrio parahaemolyticus, sulfide in fish etc.

Food testing and food borne illness investigation:



Food borne illness investigation by our qualified and experienced food

investigation experts.

Food quality testing for all types of food and feed for their quality and compliance with the SASO, national international standards.

Food Quality testing Methods:

SASO , GS, APHA, CCFRA, AOAC methods.











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Topic of the Quarter – Food Testing Laboratory (Microbiology and Chemistry)

Water Testing:

TCR Arabia food and water lab fully equipped with advanced equipment's and under take all types of water testing like bottled drinking water, swimming pool water, recreational water, sewage water, RO water etc.

TCR Arabia will all types of water testing for

Microbiological analysis of water

Coliforms, Fecal coliforms, E.coli, Fecal streptococcus, Salmonella, Shigella, Sulfate reducing bacteria SRB and Legionella testing.

Chemical Analysis:

Suspended Solids(TSS), Total Dissolved solids, Chloride(Cl), Sulfate(SO_4), Nitrate(NO_3), Bicarbonate(CO_3), Carbonate, Total alkalinity as CaCO₃, Total Hardness as CaCO₃, Calcium(Ca), Magnesium(Mg), BOD, COD etc.

<u>Chemicals And disinfectants testing:</u>

antimicrobial effectiveness analysis of chemicals and disinfectants as per British standard and check martin method.



Food lab Certifications:

ISO 9001-2008 Certification:

TCR has been certified by Intertek certification Itd for Microbiology Testing of Food and Water. SASO/ISO 17025 Accreditation:

TCR has been accredited by SAC (Saudi Accreditation Committee) for Microbiology Testing of Food and Water under the Certificate no. N-T-00053.











Inspection, Testing & Advisory Redefining Reliability

Certifications:

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Microbiology Lab of TCR Arabia is now ISO-17025 / SAC Accredited







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Inspection, Testing & Advisory Redefining Reliability

Certifications:

Mechanical Testing Lab of TCR Arabia is now ISO-17025 Accredited









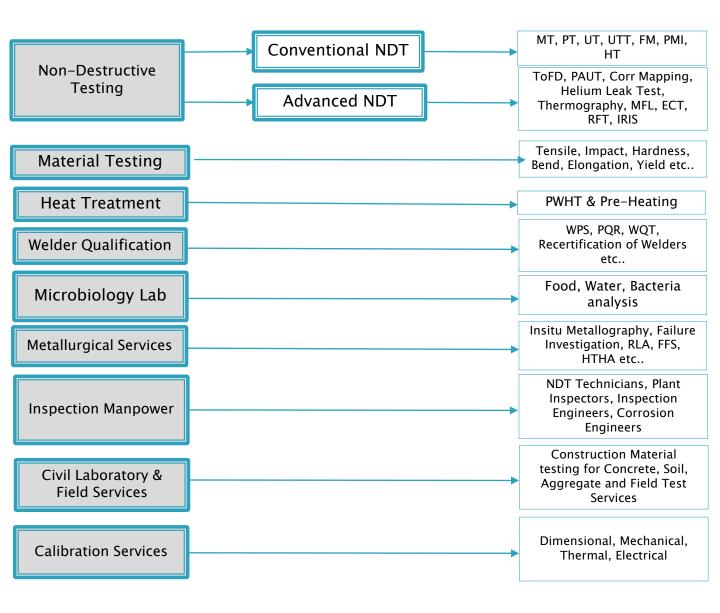
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Inspection, Testing & Advisory **Redefining Reliability**

Services Portfolio













Advance / High Temperature Inspection Techniques

SI.	Service Description
01	Automated High Temperature Corrosion Mapping
02	Automated High Temperature Time of Flight Diffraction UT (ToFD
03	Automated High Temperature Phase Array Ultrasonic Testing (PAUT)
04	Hydrogen induced Crack Examination (HIC)
05	Stepwise Crack Examination (SWC)

Advanced Metallurgical Services

SI.	Service Description
01	Root Cause / Failure Analysis
02	Remaining Life Assessment
03	Fitness for Service
04	Condition Assessment
05	Metallographic Replication /Insitu Replica



ASNT Partner









Inspection, Testing & Advisory **Redefining Reliability**

Events

TCR Arabia Head Office & Labs are now shifted to new location in Dammam







GPS Location: 26.450525, 50.193787













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Inspection, Testing & Advisory **Redefining Reliability**

Events

VAT Implementation - Internal Training





Civil Laboratory Awareness Campaign







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Events

Clients Visit





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Inspection, Testing & Advisory Redefining Reliability

Events

Book Launch

TCR Arabia is pleased to announce that ASM International is publishing a book authored by our Director Mr. Paresh Haribhakti on "Failure Investigation of Boiler Tubes". Book your copy today at www.asminternational.org/05243G or call 800.336.5152





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TCR Arabia Company Limited Inspection, Testing & Advisory Redefining Reliability

Staff Skills Enhancement

Certifications achieved by TCR Arabia employees in the 1st Qtr. 2018.

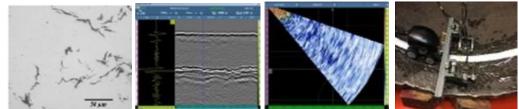
Name	Certification
Waqas Qasim	API 577 / API 653
Mustafa Mohammed Al-Jaber	ASNT Level II, ECT
Hussain Al-Safwan	ASNT Level II, ECT

HTHA training of TCR Employees in U.S.A

TCR Arabia recently completed training of its chosen staff on HTHA Detection and Sizing (HTHA-40). The training was concluded at Houston, Texas, U.S.A. by Lavender International last May 1-5, 2017.



HTHA course is designed to educate advance UT inspectors on methodologies and techniques to more reliably detect HTHA. The course is founded on extensive work and experience gained during industrial trials as part of the E2G HTHA JIP. Lavender are custodians of the extensive E2G sample inventory and this will be used for HTHA training and certification purposes.





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TCR Arabia Company Limited Inspection, Testing & Advisory Redefining Reliability

Client Appreciation Letters





Inspection, **Testing & Advisory Redefining Reliability**

New Staff

TCR welcomes its new team members and wishes them great success ahead



Mr. Ahmed Al-Nasserallah - NDT Technician

Mr. Ahmed has vast knowledge when in terms in NDT, he graduated with Mechanical Inspection and NDT Technology. His skills list in Radiographic Testing, Ultrasonic Testing, Penetrant Testing, Material Testing and Post Weld Heat Treatment is only few listed in his resume. He believed that joining TCR makes his skills improve and he is confident that growth with TCR makes him dwell in the field of the career he chooses.



Mr. Ahmed Al-Malki - PRO Jubail Office - Administration

Mr. Ahmed Al-Malki has high experience when in terms for the field he has chosen, before joining TCR, his primary job was an merchandizer from Al-Safi Danone Co. Ltd, he was a marketing staff and providing quality service with customer that the company has to offer. After his first career, he decided to shift little bit to became an Internal Collector by working from TW Horizon, he develop his interpersonal skills by contacting customers, following up cases and arrange agreements with the bank. Then his recent job was a Government Relations Administrator from MIDCHEM that all PR and government related work is task to him. Joining TCR will enhance his skills and he is sure that he can contribute well.



Mr. Ahmed Abdullah Ali Yaseen - Microbiologist - Microbiology Department

Mr. Ahmed is a professional. He completed B.SC Food Science course and graduate from it. His first qualification was with Quality Control in the field he has chosen. After schooling he worked at Dates Company in Al-Hassa, Saudi Arabia as Quality Control Officer. His knowledge about laboratory and Food Science brings him to TCR Arabia where he landed a job as an Microbiologist. He believed that he can contribute all his skills, knowledge and hard work to attain the company and department goals.



Mr. Mahdi Al-Ghasham – Finance/Admin Asst. – Finance Department

Mr. Mahdi has vast experience when it comes to administering and finance. His previous experience was working with King Saud university from 2005-2009 as BK Accountant. His last work before joining TCR Arabia is from Mohammed Almojil Group MMG from 2010-2017 (Oct) as Administrator. Joining TCR will contribute his knowledge and expertise in his chosen field. He believe that he can share and contribute to the future of TCR to met its vision and mission.



Mr. Ali Hassan Al-Yaseen – Machinist – Mechanical Department

Mr. Ali Al-Yaseen is an experience individual. His past work was with Wheatherford as machine operator for 2 years. He joined TCR to develop and improved his profession in Mechanical field. Being hired as TCR machinist, he can easily adapt his skills for various machine and equipment TCR has to offer. He is positive that he can contribute well in the field that he is pursuing.







