



SCORE (EUROPE) LIMITED

Engineering Research, Design, Manufacture, Repair and Test



Score Cowdenbeath (Specialist) Test Facility

The Paragon Works, Cowdenbeath.

Tel: (01383) 510510

Fire Test Report & Certification

Customer:	MAROKO Ltd	Date Received:	28/10/2015
Customer PO:	MKLT0011/2015	Score Job No:	388834COW

General Details

Description: 4" Weldless Coupling
Manufacturer: MAROKO Ltd
Material: EN24T

Score Unique No: 388834-0002
Serial No: 016
Dwg No: 4RWSASSY Iss 1

Testing Details

Test Specification: API 6FB 3rd Edition (Part 1 only) & MAROKO Ltd procedure 080116 Rev 0
Test Medium: Water
Test Temperature: 650°C within 15 minutes
Test Pressure: 2741Psig (189Barg)

Equipment Used

Pressure Gauge(s): S/N: 803645 (0-1500Barg)
Pressure Transmitter: S/N: 332085 (0-400Barg)
Chart Recorder S/N: CBH 0257

Test Results

Burn & Cool Down	Result
Test Date	20/01/2015
Tank Level Pre Burn (2.8mm = 1Ltr)	705mm
Burn Start Time	10.52
Time to reach Average Flame Temperature 761°C	< 1 minute
Time to reach Average Calorimeter Block >650°C	11 Minutes
Burn End Time	11.22
Test pressure during burn	2741 Psig
Allowable External Leakage rate	14ml/min
Tank Level Post Burn (2.8mm = 1Ltr)	705mm
External Leakage rate	Zero
Cool down Natural/Air	Natural
Cool down Start time	11.22
Time to Cool down	33 minutes
Tank Level Pre Pressure test (2.8mm = 1Ltr)	695mm

Score Unique No: 388834-0002

	Result
Pressure Test Start time	12.03
Test Pressure	2741 Psig
Allowable External Leakage during burn/cool down	14ml/min
External Leak Rate during Burn/Cool Down	Zero
Tank Level Post Burn & Cool Down (2.8mm =1Ltr)	695mm
Test conditions within compliance?	Yes
Leakages below allowable?	Yes
Connector Markings:	MAROKO Coupling Serial No. 016 Material EN24T Temp Range (°C):-50 to 300 D.P. (PSI) Nominal Bore ("): 4
Pass or Fail Test Standard?	Pass

Fire type testing has been conducted in accordance with API 6FB 3rd Edition Part 1 and acceptance criterion was met.

Tested by: J Scott
(Score Europe Ltd)

Witnessed by: N Kerr
(Lloyds Register EMEA)

Signature:



Signature:

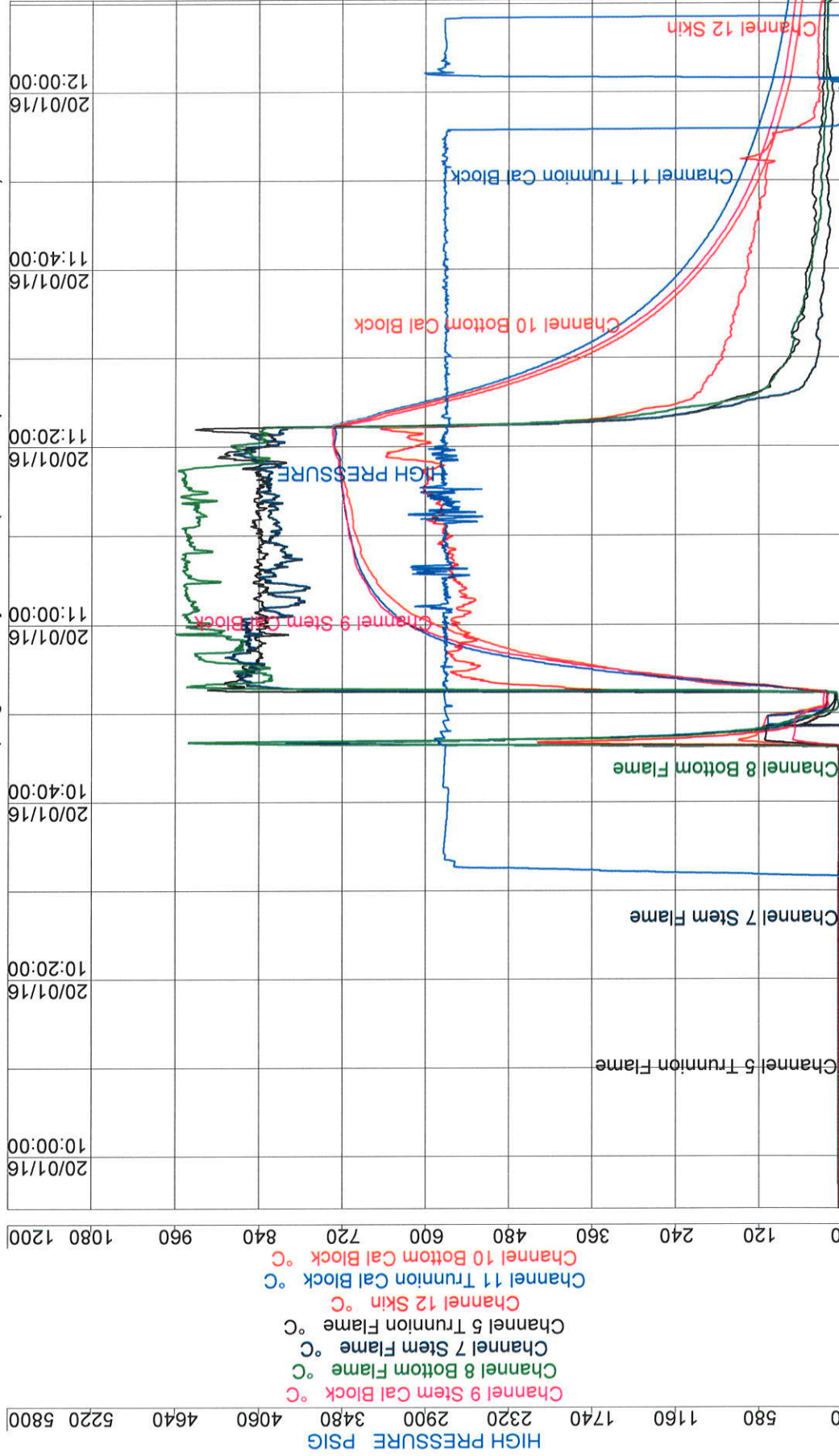


Date: 20/01/2016

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Maroko Ltd Test Procedure API 6FB Part 1 4" Coupling Assembly S/N 016 (Score Unique No SPR-388834-0002)



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Fire Test Chart

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