
TENSION TO FAILURE ON 9 5/8" CONNECTION

TEST PERFORMED AT
MOHR ENGINEERING DIVISION
APRIL 05,2007



MOHR





HORIZONTAL BUCKUP UNIT



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LOAD FRAME



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SLIP BOWL HOLDING SAMPLE ON TOP



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SLIP BOWL HOLDING SAMPLE ON BOTTOM



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SAMPLE FAILURE AT CONNECTION



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BOX AFTER FAILURE



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PIN AFTER FAILURE

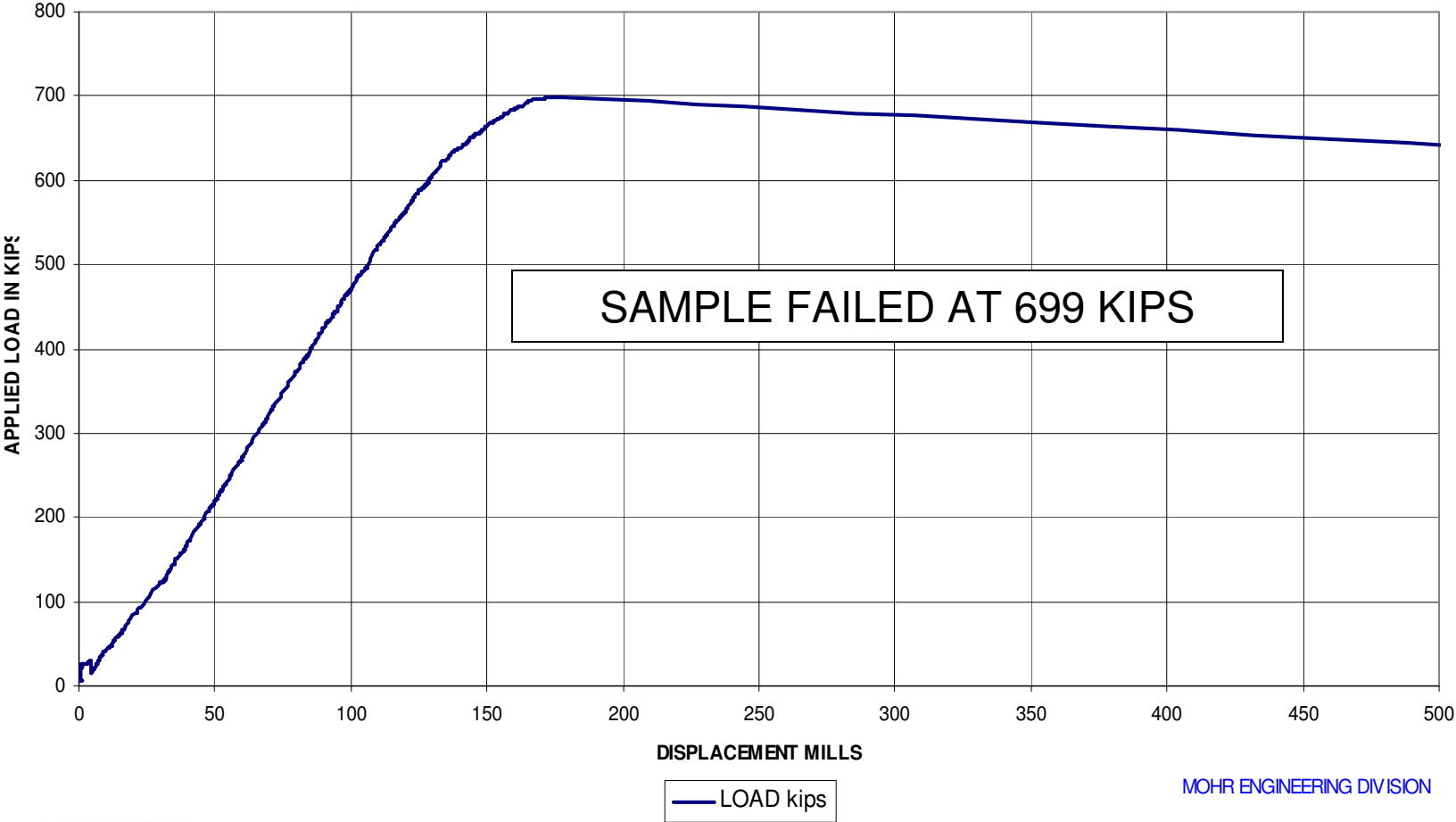


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**LB FOSTER
TENSION TO FAILURE ON 9 5/8" CONNECTIONS**

APRIL 5, 2007



MOHR ENGINEERING DIVISION

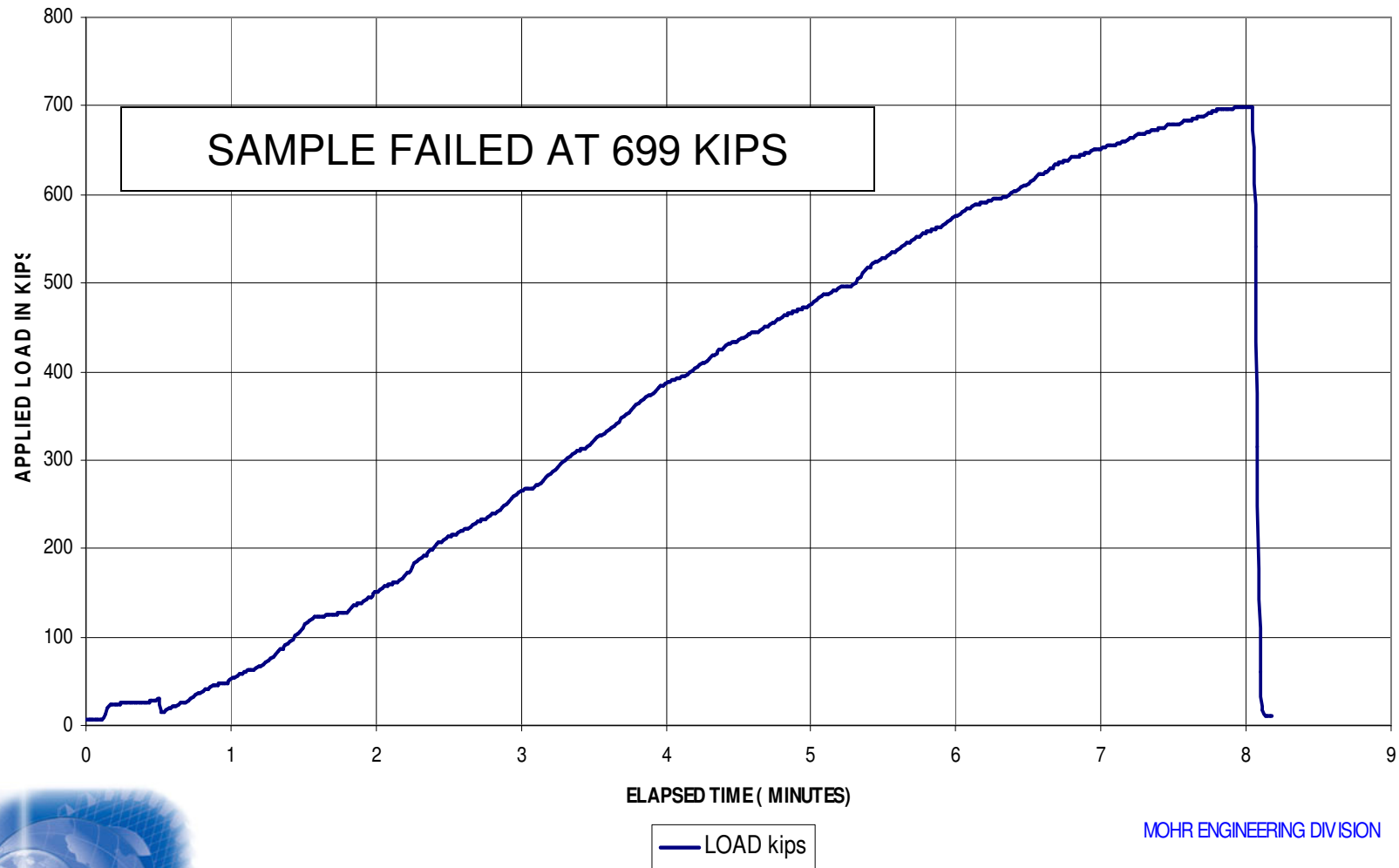


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LB FOSTER
TENSION TO FAILURE ON 9 5/8" CONNECTIONS

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CONCLUSIONS

AXIAL LOAD WAS APPLIED UNTIL THE SAMPLE PARTED AT THE CONNECTION. MAXIMUM APPLIED LOAD WAS 699 KIPS.



MOHR



RCN Enterprises, Inc.
 371 Bowler Road
 Waller Texas 77484

4 May 2006

C A L I B R A T I O N R E P O R T

OWNER: MOHR Engineering Division
 13602 Westland East Blvd.
 Houston Texas 77041

MACHINE: Frame 003-2 Eight 36in Cylinders 2.0 MLb Tension
 Sensotec Xdcr Model: TJE7743-06 Serial: 140474 Shunt: 2542
 Pressure Gain: 327.749 psi/mV Zero: 0.14574 mV
 Zero Offset: -15.09 kips Effective Area: 400.45 sqin

CALIBRATION DATA:	RANGE LB	LOAD INDICATED	LB TRUE	MACHINE ERROR LB	PERCENT
	2000000	186300.	187321.	-1021.	0.55
		387200.	388399.	-1199.	0.31
		587800.	588053.	-253.	0.04
		786700.	786404.	296.	0.04
		988000.	987174.	826.	0.08
		1191300.	1191322.	-22.	0.00
		1389200.	1389947.	-747.	0.05
		1587200.	1589085.	-1885.	0.12
		1788300.	1789823.	-1523.	0.09
		1993800.	1995700.	-1900.	0.10
		187900.	188588.	-688.	0.37
		397600.	397435.	165.	0.04
		586600.	587348.	-748.	0.13
		785500.	785364.	136.	0.02
		987300.	986760.	540.	0.05
		1190200.	1190698.	-498.	0.04
		1388400.	1389252.	-852.	0.06
		1589100.	1589223.	-123.	0.01
		1790600.	1791110.	-510.	0.03
		1988200.	1990597.	-2397.	0.12

True loads were recorded at the values of indicated load listed above according to the current ASTM Standard E-4.

DEVICE DATA:	INSTRUMENTS USED	SERIAL NO	CLASS 'A' RANGE	LOADING LB	VERIFIED DATE
	E M E Load Cell	8512.01	82,800	- 1,500,000	27 Oct 05
	E M E Load Cell	8512.02	50,000	- 1,500,000	30 Aug 05

Instruments were verified as noted above by National Standards Testing Laboratory according to current ASTM Standard E-74. Instruments were compensated for effect of temperature on zero and span by the manufacturer(s).

C E R T I F I C A T E O F V E R I F I C A T I O N

THIS IS TO CERTIFY THAT THE

Frame 003-2 Eight 36in Cylinders 2.0 MLb Tension
 Sensotec Xdcr Model: TJE/743-06 Serial: 140474 Shunt: 2542
 Pressure Gain: 327.749 psi/mV Zero: 0.14574 mV
 Zero Offset: -15.09 kips Effective Area: 400.45 sqin

LOCATED AT

MOHR Engineering Division
 13602 Westland East Blvd.
 Houston Texas 77041

was calibrated on 4 May 2006 according to the current ASTM Standard E-4 and determined to indicate load within the specified 1.0 percent tolerance on the ranges listed below. Maximum error observed was 0.55 percent.

MACHINE RANGE, LB	LOADING RANGE, LB MINIMUM - MAXIMUM
2,000,000	186,300 - 1,988,200

Devices used were verified as noted below by National Standards Testing Laboratory according to the current ASTM Standard E-74.

INSTRUMENTS USED.....	SERIAL NO	CLASS 'A' LOADING RANGE.....LB	VERIFIED.DATE
E M E Load Cell	8512.01	82,800 - 1,500,000	27 Oct 05
E M E Load Cell	8512.02	50,000 - 1,500,000	30 Aug 05

C O N D I T I O N A S F O U N D

OWNER: MOHR Engineering Division
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 Houston Texas 77041

MACHINE: Frame 003-2 Eight 36in Cylinders 2.0 MLb Tension
 Sensotec Xdcr Model: TJE/743-06 Serial: 140474 Shunt: 2542
 Pressure Gain: 327.749 psi/mV Zero: 0.14574 mV
 Zero Offset: -15.18 kips Effective Area: 399.41 sqin

CALIBRATION DATA:	RANGE. LB	LOAD.....LB		MACHINE ERROR	
		INDICATED	TRUE	LB	PERCENT
	2000000	189200.	191007.	-1807.	0.96
		385000.	386009.	-1009.	0.26
		594700.	595833.	-1133.	0.19
		788700.	790440.	-1740.	0.22
		990200.	991862.	-1662.	0.17
		1189000.	1192463.	-3463.	0.29
		1393200.	1397554.	-4354.	0.31
		1598700.	1601053.	-2353.	0.15
		1802400.	1807062.	-4662.	0.26
		1990700.	1997086.	-6386.	0.32

True loads were recorded at the values of indicated load listed above according to the current ASTM Standard E-4.

DEVICE DATA:	INSTRUMENTS USED.....	SERIAL NO	CLASS 'A' RANGE.....LB	LOADING	VERIFIED.DATE
	E M E Load Cell	8512.01	82,800 - 1,500,000		27 Oct 05
	E M E Load Cell	8512.02	50,000 - 1,500,000		30 Aug 05

Instruments were verified as noted above by National Standards Testing Laboratory according to current ASTM Standard E-74. Instruments were compensated for effect of temperature on zero and span by the manufacturer(s).

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Frame 003-2 Eight 36in Cylinders 2.0 MLb Tension
 Sensotec Xdcr Model: TJE/743-06 Serial: 140474 Shunt: 2542
 Pressure Gain: 327.749 psi/mV Zero: 0.14574 mV

Calibration Date: 4 May 2006

Instrumentation:
 E M E Load Cell 8512.01
 E M E Load Cell 8512.02

FITTED LINEAR EQUATION:

[Gage Rdg] = 3.76752510E+01 + 2.49719759E-03 * [Load]

R M S Error, Linear : 784.8069 lb

Equation Offset: -37.68 psi or: -15.09 kips

Equation Effective Area: 400.45 sqin Software Scale: 0.40045

Point Index	Gage Rdg.	Observed Load	Predicted Load	Error..... Absolute Pct. Pct.-FS
1	512	191008	189943	-1065	-0.56	-0.05
2	1001	386009	385762	-247	-0.06	-0.01
3	1527	595833	596398	565	0.09	0.03
4	2013	790440	791017	576	0.07	0.03
5	2516	991862	992442	580	0.06	0.03
6	3016	1192464	1192667	203	0.02	0.01
7	3526	1397555	1396896	-659	-0.05	-0.03
8	4039	1601054	1602326	1273	0.08	0.06
9	4550	1807062	1806955	-107	-0.01	-0.01
10	5022	1997087	1995967	-1120	-0.06	-0.06