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Chemical, Metallurgical, Mechanical, Nondestructive, Environmental Testing, Analyses and Field Service.

The Kupferle Foundry Company
2511 North 9th Street
St. Louis, MO 63102

December 13, 2012
Lab No. 12P-6702
P.O. No. RG121312
Page 1 of 1

Attention: Robert Galvin

REPORT OF MECHANICAL TEST

SAMPLE ID: 1 Ea.: Eclipse # 2 Hydrant
Mainguard # 77 Hydrant

SUBJECT: Hydrostatic Pressure Test, December 13, 2012

TEST PROCEDURE:

The hydrants were tested with potable water to 300 PSI and cycled through open and closed positions. 3 cycles were performed on each hydrant. After cycling, the hydrant pressure was slowly raised until bypass of the valve was observed.

The test was performed with a calibrated pressure gauge: ID# Mech105, calibration due 3/1/2013.

TEST RESULTS:

Sample	PRESSURE (Psig)	Duration
Eclipse # 2	300	3 complete cycles
Mainguard # 77	300	3 complete cycles

No leaks or drop in pressure noted during testing.

Sample	PRESSURE (Psig)	Result
Eclipse # 2	~625	Dripping at the discharge port
Mainguard # 77	~550	Dripping at the discharge port

Identification of tested specimen provided by the client.

KS/sen

Karl Schmitz, Director
Materials Testing

