

Contract	Age	Cylinder	LBF	PSI	Area	P/F	Design	Required	Made	Tested	Fracture
U017	28	3ARB	133948	10710	12.504	Pass	200031	6000	1/4/2021	2/1/2021	Cone
U017	28	3ARB	146041	11680	12.504	Pass	200031	6000	1/4/2021	2/1/2021	Columnar
S202	28	290	84330	6740	12.504	Pass	210206	3000	1/4/2021	2/1/2021	Cone & Shear
S202	28	290A	81555	6490	12.566	Pass	210206	3000	1/4/2021	2/1/2021	Cone & Shear
U299	28	3	90445	7200	12.566	Pass	210118	3000	1/4/2021	2/1/2021	Columnar
U299	28	3A	87124	6930	12.566	Pass	210118	3000	1/4/2021	2/1/2021	Cone & Shear
121512	28	15	71237	5670	12.566	Pass	94TN21	3000	1/4/2021	2/1/2021	Cone & Shear
121512	28	15A	72786	5790	12.566	Pass	94TN21	3000	1/4/2021	2/1/2021	Columnar
Q029	28	612A	63828	5050	12.629	Pass	210100	3000	1/4/2021	2/1/2021	Cone & Split
Q029	28	612A	71957	5730	12.566	Pass	210100	3000	1/4/2021	2/1/2021	Columnar
CMGC03	28	93	83550	6650	12.566	Pass	210271	3000	1/4/2021	2/1/2021	Cone & Shear
CMGC03	28	93A	85084	6770	12.566	Pass	210271	3000	1/4/2021	2/1/2021	Cone & Shear
ROSS	17	1ARB	130630	10400	12.566	Pass	200031	9000	1/15/2021	2/1/2021	Columnar
ROSS	17	1ARB	138619	11030	12.566	Pass	200031	9000	1/15/2021	2/1/2021	Columnar
P230	28	2002	65300	5200	12.566	Pass	210085	3000	1/4/2021	2/1/2021	Cone
P230	28	2002A	63368	5040	12.566	Pass	210085	3000	1/4/2021	2/1/2021	Cone & Shear
U299	28	4	99513	7920	12.566	Pass	210118	3000	1/5/2021	2/2/2021	Cone & Shear
U299	28	4A	96327	7670	12.566	Pass	210118	3000	1/5/2021	2/2/2021	Cone & Shear
U268	28	6	80502	6410	12.566	Pass	210131	3000	1/5/2021	2/2/2021	Cone
U268	28	6A	81953	6520	12.566	Pass	210131	3000	1/5/2021	2/2/2021	Columnar
111041	28	S-44	68776	5470	12.566	Pass	210081	3000	1/5/2021	2/2/2021	Columnar
111041	28	S-44A	69931	5560	12.566	Pass	210081	3000	1/5/2021	2/2/2021	Cone & Shear
121512	28	16	73049	5810	12.566	Pass	942ITW	3000	1/5/2021	2/2/2021	Columnar
121512	28	16A	68829	5480	12.566	Pass	942ITW	3000	1/5/2021	2/2/2021	Cone
T925	28	200	74265	5910	12.566	Pass	210204	3000	1/5/2021	2/2/2021	Columnar
T925	28	200A	78450	6240	12.566	Pass	210204	3000	1/5/2021	2/2/2021	Cone & Shear
121997	28	1A	62996	5060	12.441	Pass	210300	3000	1/5/2021	2/2/2021	Cone
121997	28	1A	62102	4990	12.441	Pass	210300	3000	1/5/2021	2/2/2021	Cone & Shear
Q029	28	613A	80751	6430	12.566	Pass	210100	3000	1/5/2021	2/2/2021	Cone & Shear
Q029	28	613A	73192	5820	12.566	Pass	210100	3000	1/5/2021	2/2/2021	Cone & Shear
Q029	28	614A	111912	8910	12.566	Pass	210100	3000	1/5/2021	2/2/2021	Columnar

Q029	28	614A	107999	8590	12.566	Pass	210100	3000	1/5/2021	2/2/2021	Cone & Shear
T023	28	15ARK	150245	11960	12.566	Pass	200046	10000	1/5/2021	2/2/2021	Columnar
T023	28	15ARK	176923	14080	12.566	Pass	200046	10000	1/5/2021	2/2/2021	Cone
T023	28	61A	91861	7310	12.566	Pass	210102	3000	1/5/2021	2/2/2021	Cone & Shear
T023	28	61A	92332	7350	12.566	Pass	210102	3000	1/5/2021	2/2/2021	Cone & Shear
T390	28	1A	63086	5020	12.566	Pass	210323	3000	1/5/2021	2/2/2021	Cone & Shear
T390	28	1A	60019	4780	12.566	Pass	210323	3000	1/5/2021	2/2/2021	Columnar
CMGC03	28	57ARK	144837	11530	12.566	Pass	200923	5000	1/5/2021	2/2/2021	Columnar
CMGC03	28	57ARK	147171	11710	12.566	Pass	200923	5000	1/5/2021	2/2/2021	Columnar
119814	28	9	66215	5270	12.566	Pass	200154	4000	1/5/2021	2/2/2021	Cone
119814	28	9A	66024	5250	12.566	Pass	200154	4000	1/5/2021	2/2/2021	Cone & Split
Q921	28	664									this cylinder was too oblong to break. It was more than 2% out of round.
Q921	28	664A	87883	6990	12.566	Pass	210302	3000	1/5/2021	2/2/2021	Cone
Q921	28	911	75143	5980	12.566	Pass	210302	3000	1/5/2021	2/2/2021	Cone
Q921	28	911A	75280	5990	12.566	Pass	210302	3000	1/5/2021	2/2/2021	Cone
T011	28	96	69374	5520	12.566	Pass	210303	3000	1/5/2021	2/2/2021	Cone & Shear
T011	28	96A	70446	5610	12.566	Pass	210303	3000	1/5/2021	2/2/2021	Columnar
T380	28	11	92737	7380	12.566	Pass	210080	3000	1/5/2021	2/2/2021	Cone
T380	28	11A	95784	7620	12.566	Pass	210080	3000	1/5/2021	2/2/2021	Cone
DB1801	28	507	82825	6590	12.566	Pass	200639	3000	1/5/2021	2/2/2021	Cone & Shear
DB1801	28	507A	83949	6680	12.566	Pass	200639	3000	1/5/2021	2/2/2021	Cone & Shear
T359	28	97	66537	5290	12.566	Pass	210066	3000	1/5/2021	2/2/2021	Cone
T359	28	97A	70234	5590	12.566	Pass	210066	3000	1/5/2021	2/2/2021	Cone & Shear
S127	28	276	83403	6640	12.566	Pass	210308	4000	1/5/2021	2/2/2021	Cone & Split
S127	28	276A	86111	6850	12.566	Pass	210308	4000	1/5/2021	2/2/2021	Cone & Shear
S060	7	181B	68554	5460	12.566	Pass	210193	3000	1/26/2021	2/2/2021	Cone & Shear
S060	7	181C	69642	5540	12.566	Pass	210193	3000	1/26/2021	2/2/2021	Columnar
T925	7	204B	59832	4760	12.566	Pass	210197	3000	1/26/2021	2/2/2021	Cone
T925	7	204C	54927	4370	12.566	Pass	210197	3000	1/26/2021	2/2/2021	Cone & Split
U032	7	9B	61802	4920	12.566	Pass	210131	3000	1/26/2021	2/2/2021	Cone
U032	7	9C	58825	4680	12.566	Pass	210131	3000	1/26/2021	2/2/2021	Cone
DB1801	28	506	155154	12350	12.566	Pass	210110	3000	1/5/2021	2/2/2021	Cone & Split

DB1801	28	506A	160520	12770	12.566	Pass	210110	3000	1/5/2021	2/2/2021	Columnar
T296	28	36	73890	5880	12.566	Pass	210106	3000	1/5/2021	2/2/2021	Columnar
T296	28	36A	79666	6340	12.566	Pass	210106	3000	1/5/2021	2/2/2021	Columnar
T336	28	131	100585	8000	12.566	Pass	210080	3000	1/5/2021	2/2/2021	Cone & Shear
T336	28	131A	107302	8540	12.566	Pass	210080	3000	1/5/2021	2/2/2021	Cone
CMGC03	28	58ARK	146402	11650	12.566	Pass	200923	5000	1/6/2021	2/3/2021	Cone
CMGC03	28	58ARK	139778	11120	12.566	Pass	200923	5000	1/6/2021	2/3/2021	Cone & Shear
U299	28	5	91165	7320	12.45	Pass	210118	3000	1/6/2021	2/3/2021	Shear
U299	28	5A	89391	7110	12.566	Pass	210118	3000	1/6/2021	2/3/2021	Columnar
S338	28	873	100437	7990	12.566	Pass	210118	3000	1/6/2021	2/3/2021	Cone & Shear
S338	28	873A	98053	7800	12.566	Pass	210118	3000	1/6/2021	2/3/2021	Columnar
U268	28	7	67498	5370	12.566	Pass	210131	3000	1/6/2021	2/3/2021	Cone
U268	28	7A	81621	6500	12.566	Pass	210131	3000	1/6/2021	2/3/2021	Cone & Split
111041	28	BR3-3	61045	4860	12.566	Pass	210081	3000	1/6/2021	2/3/2021	Cone
111041	28	BR3-3A	68279	5430	12.566	Pass	210081	3000	1/6/2021	2/3/2021	Cone
121512	28	17	90107	7170	12.566	Pass	9421TN	3000	1/6/2021	2/3/2021	Cone & Shear
121512	28	17A	83185	6620	12.566	Pass	9421TN	3000	1/6/2021	2/3/2021	Cone & Shear
R136	28	CG17	90913	7230	12.566	Pass	200401	3000	1/6/2021	2/3/2021	Columnar
R136	28	CG17A	87176	6940	12.566	Pass	200401	3000	1/6/2021	2/3/2021	Shear
Q029	28	615A	76806	6110	12.566	Pass	210100	3000	1/6/2021	2/3/2021	Cone
Q029	28	615A	79737	6350	12.566	Pass	210100	3000	1/6/2021	2/3/2021	Cone & Shear
U017	28	26	83566	6650	12.566	Pass	210318	3000	1/6/2021	2/3/2021	Cone
U017	28	26A	83656	6660	12.566	Pass	210318	3000	1/6/2021	2/3/2021	Cone
U088	28	26	72115	5740	12.566	Pass	210267	3000	1/6/2021	2/3/2021	Cone & Split
U088	28	26A	69150	5500	12.566	Pass	210267	3000	1/6/2021	2/3/2021	Cone & Shear
CMGC03	28	94	75396	6000	12.566	Pass	210275	3000	1/6/2021	2/3/2021	Cone & Split
CMGC03	28	94A	71136	5660	12.566	Pass	210275	3000	1/6/2021	2/3/2021	Cone
CMGC03	28	95	81953	6520	12.566	Pass	210275	3000	1/6/2021	2/3/2021	Cone & Split
CMGC03	28	95A	85841	6830	12.566	Pass	210275	3000	1/6/2021	2/3/2021	Cone & Shear
CMGC03	28	96	86186	6860	12.566	Pass	210275	3000	1/6/2021	2/3/2021	Cone
CMGC03	28	96A	85183	6780	12.566	Pass	210275	3000	1/6/2021	2/3/2021	Cone
CMGC03	28	97	85574	6810	12.566	Pass	210275	3000	1/6/2021	2/3/2021	Cone

CMGC03	28	97A	84736	6740	12.566	Pass	210275	3000	1/6/2021	2/3/2021	Columnar
CMGC03	28	98	99490	7920	12.566	Pass	210275	3000	1/6/2021	2/3/2021	Columnar
CMGC03	28	98A	90056	7170	12.566	Pass	210275	3000	1/6/2021	2/3/2021	Cone
Q921	28	665	87054	6930	12.566	Pass	210302	3000	1/6/2021	2/3/2021	Cone & Split
Q921	28	665A	85549	6810	12.566	Pass	210302	3000	1/6/2021	2/3/2021	Cone & Shear
T380	28	12	97263	7740	12.566	Pass	210080	3000	1/6/2021	2/3/2021	Cone & Shear
T380	28	12A	97225	7740	12.566	Pass	210080	3000	1/6/2021	2/3/2021	Cone & Split
T336	28	132	55112	4390	12.566	Pass	200169	3000	1/6/2021	2/3/2021	Columnar
T336	28	132A	53525	4260	12.566	Pass	200169	3000	1/6/2021	2/3/2021	Cone
DB1801	28	508	161052	5700	28.274	Pass	210110	3000	1/6/2021	2/3/2021	Cone
DB1801	28	508A	162508	5750	28.274	Pass	210110	3000	1/6/2021	2/3/2021	Cone & Split
120439	28	14	84348	6710	12.566	Pass	210107	3000	1/6/2021	2/3/2021	Columnar
120439	28	14A	83389	6640	12.566	Pass	210107	3000	1/6/2021	2/3/2021	Cone
U057	28	15A	47784	3800	12.566	Pass	210291	3000	1/6/2021	2/3/2021	Columnar
U057	28	15A	45696	3640	12.566	Pass	210291	3000	1/6/2021	2/3/2021	Columnar
T359	28	98	67454	5370	12.566	Pass	210066	3000	1/6/2021	2/3/2021	Cone
T359	28	98A	70322	5600	12.566	Pass	210066	3000	1/6/2021	2/3/2021	Columnar
T359	28	98F	58241	4630	12.566	Pass	210066	3000	1/6/2021	2/3/2021	Cone & Shear
T359	28	98G	55788	4440	12.566	Pass	210066	3000	1/6/2021	2/3/2021	Columnar
T359	28	99	68551	5460	12.566	Pass	210066	3000	1/6/2021	2/3/2021	Cone & Shear
T359	28	99A	66526	5290	12.566	Pass	210066	3000	1/6/2021	2/3/2021	Cone & Shear
P230	28	2003	60963	4850	12.566	Pass	210085	3000	1/6/2021	2/3/2021	Cone & Split
P230	28	2003A	62499	4970	12.566	Pass	210085	3000	1/6/2021	2/3/2021	Cone & Shear
T213	7	4B	80152	6380	12.566	Pass		3000	1/6/2021	2/3/2021	Cone & Split
111041	28	BR3-4	71959	5730	12.566	Pass	210081	3000	1/7/2021	2/4/2021	Columnar
111041	28	BR3-4A	71781	5710	12.566	Pass	210081	3000	1/7/2021	2/4/2021	Cone & Shear
111041	28	S-45	74352	5920	12.566	Pass	210081	3000	1/7/2021	2/4/2021	Columnar
111041	28	S-45A	76479	6090	12.566	Pass	210081	3000	1/7/2021	2/4/2021	Columnar
111041	28	S-46	95601	7610	12.566	Pass	210081	3000	1/7/2021	2/4/2021	Cone & Shear
111041	28	S-46	97485	7760	12.566	Pass	210081	3000	1/7/2021	2/4/2021	Cone
121512	28	35	63506	5050	12.566	Pass	200110	3000	1/7/2021	2/4/2021	Cone & Shear
121512	28	35A	67572	5380	12.566	Pass	200110	3000	1/7/2021	2/4/2021	Columnar

S060	28	690	105142	8370	12.566	Pass	210193	3000	1/7/2021	2/4/2021	Cone
S060	28	690A	103811	8260	12.566	Pass	210193	3000	1/7/2021	2/4/2021	Cone & Shear
R275	28	145A	82822	6590	12.566	Pass	210092	3000	1/7/2021	2/4/2021	Columnar
R275	28	145A	84553	6730	12.566	Pass	210092	3000	1/7/2021	2/4/2021	Cone & Shear
S272	28	191A	90516	7200	12.566	Pass	210100	3000	1/7/2021	2/4/2021	Cone & Shear
S272	28	191A	82691	6580	12.566	Pass	210100	3000	1/7/2021	2/4/2021	Cone & Shear
T023	28	16ARK	162292	12910	12.566	Pass	200046	10000	1/7/2021	2/4/2021	Columnar
T023	28	16ARK	164745	13110	12.566	Pass	200046	10000	1/7/2021	2/4/2021	Cone
T023	28	62A	83421	6670	12.504	Pass	210102	3000	1/7/2021	2/4/2021	Cone & Shear
T023	28	62A	84351	6750	12.504	Pass	210102	3000	1/7/2021	2/4/2021	Columnar
CMGC03	28	59ARK	137652	10950	12.566	Pass	200923	3000	1/7/2021	2/4/2021	Cone & Split
CMGC03	28	59ARK	149562	11900	12.566	Pass	200923	3000	1/7/2021	2/4/2021	Cone
T011	28	97	94518	7520	12.566	Pass	210303	3000	1/7/2021	2/4/2021	Cone & Split
T011	28	97	85876	6830	12.566	Pass	210303	3000	1/7/2021	2/4/2021	Cone & Shear
T380	28	13	102949	8190	12.566	Pass	210080	3000	1/7/2021	2/4/2021	Columnar
T380	28	13A	104643	8330	12.566	Pass	210080	3000	1/7/2021	2/4/2021	Cone & Shear
U012	28	10	65740	5230	12.566	Pass	208169	3000	1/7/2021	2/4/2021	Cone & Shear
U012	28	10A	62644	4990	12.566	Pass	208169	3000	1/7/2021	2/4/2021	Cone & Shear
U221	28	5A	74328	5910	12.566	Pass	210078	3000	1/7/2021	2/4/2021	Cone & Split
U221	28	5B	75736	6030	12.566	Pass	210078	3000	1/7/2021	2/4/2021	Cone & Shear
U315	28	4	94453	7520	12.566	Pass	200561	3000	1/7/2021	2/4/2021	Cone & Shear
U315	28	4A	98457	7830	12.566	Pass	200561	3000	1/7/2021	2/4/2021	Cone & Split
DB1801	28	510	75545	6010	12.566	Pass	200639	3000	1/7/2021	2/4/2021	Cone & Shear
DB1801	28	510A	75341	6000	12.566	Pass	200639	3000	1/7/2021	2/4/2021	Cone
R279	28	292A	71229	5670	12.566	Pass	200178	3000	1/7/2021	2/4/2021	Cone & Shear
R279	28	292A	67740	5390	12.566	Pass	200178	3000	1/7/2021	2/4/2021	Cone & Shear
S338	28	233	98189	7810	12.566	Pass	210118	3000	1/7/2021	2/4/2021	Cone
S338	28	233A	99842	7950	12.566	Pass	210118	3000	1/7/2021	2/4/2021	Cone & Shear
S338	28	874	80834	6430	12.566	Pass	210118	3000	1/7/2021	2/4/2021	Cone & Shear
S338	28	874A	84237	6700	12.566	Pass	210118	3000	1/7/2021	2/4/2021	Cone & Shear
T336	28	133	87641	6970	12.566	Pass	210080	3000	1/7/2021	2/4/2021	Cone & Shear
T336	28	133	84553	6730	12.566	Pass	210080	3000	1/7/2021	2/4/2021	Cone & Shear

DB1801	28	509	170615	6030	28.274	Pass	210110	3000	1/7/2021	2/4/2021	Columnar
DB1801	28	509A	166504	5890	28.274	Pass	210110	3000	1/7/2021	2/4/2021	Cone & Shear
P230	28	2004	70637	5620	12.566	Pass	210085	3000	1/7/2021	2/4/2021	Columnar
P230	28	2004A	73786	5870	12.566	Pass	210085	3000	1/7/2021	2/4/2021	Cone & Shear
S338	28	234	98579	7840	12.566	Pass	210124	3000	1/7/2021	2/4/2021	Cone
S338	28	234A					this cylinder was damaged on site				
U032	7	10B	45947	3660	12.566	Pass	210131	3000	1/28/2021	2/4/2021	Cone & Shear
U032	7	10C	42236	3360	12.566	Pass	210131	3000	1/28/2021	2/4/2021	Cone & Shear
U299	28	8	139157	11070	12.566	Pass		3000	1/7/2021	2/4/2021	Cone & Split
U299	28	8A	139102	11070	12.566	Pass		3000	1/7/2021	2/4/2021	Cone & Split
111041	28	BR3-5	77380	6160	12.566	Pass	200316	3000	1/8/2021	2/5/2021	Cone & Split
111041	28	BR3-5A	77053	6130	12.566	Pass	200316	3000	1/8/2021	2/5/2021	Columnar
DB1801	28	511	147739	5230	28.274	Pass	210110	3000	1/8/2021	2/5/2021	Cone & Shear
DB1801	28	511A	164188	5810	28.274	Pass	210110	3000	1/8/2021	2/5/2021	Columnar
DB1801	28	512	72502	5770	12.566	Pass	210085	3000	1/8/2021	2/5/2021	Columnar
DB1801	28	512A	68959	5490	12.566	Pass	210085	3000	1/8/2021	2/5/2021	Shear
T359	28	100	70112	5580	12.566	Pass	210066	3000	1/8/2021	2/5/2021	Cone
T359	28	100A	71636	5700	12.566	Pass	210066	3000	1/8/2021	2/5/2021	Cone & Shear
P230	28	2005	73675	5860	12.566	Pass	210085	3000	1/8/2021	2/5/2021	Columnar
P230	28	2005A	71760	5710	12.566	Pass	210085	3000	1/8/2021	2/5/2021	Cone
T336	28	134	107971	8590	12.566	Pass	210080	3000	1/8/2021	2/5/2021	Cone
T336	28	134A	114394	9100	12.566	Pass	210080	3000	1/8/2021	2/5/2021	Cone & Shear
T925	14	203D	58560	4660	12.566	Pass	210197	3000	1/22/2021	2/5/2021	Cone
T925	14	203E	70312	5600	12.566	Pass	210197	3000	1/22/2021	2/5/2021	Cone & Split
T296	28	37	98356	7830	12.566	Pass	210106	3000	1/8/2021	2/5/2021	Shear
T296	28	37A	97667	7770	12.566	Pass	210106	3000	1/8/2021	2/5/2021	Shear
U032	7	11B	39756	3160	12.566	Pass	210131	3000	1/29/2021	2/5/2021	Cone
U032	7	11C	40095	3190	12.566	Pass	210131	3000	1/29/2021	2/5/2021	Cone & Shear
T925	7	205B	64152	5110	12.566	Pass	210197	3000	1/29/2021	2/5/2021	Cone
T925	7	205C	57110	4540	12.566	Pass	210197	3000	1/29/2021	2/5/2021	Cone