



METRO TESTING GROUP
 Materials Testing & Engineering Services
 CCIL & CSA Certified Company
 Innovative Quality Solutions

TO: JL's EXCAVATING LTD
 PO BOX 514
 TERRACE, BC
 V8G 4B5

LOG No.: 156
 PROJECT No: 14689
 TESTED BY: Andrey

ATTN: Mr. Gerry Lozinski

PROJECT: Aggregate Qualification
 SCOPE: Aggregate Testing

**Resistance to Degradation of
 Small Size Coarse Aggregate by
 Abrasion & Impact in the Los
 Angeles Machine
 CSA A23.2-16A**

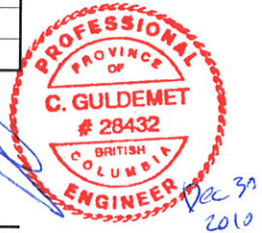
SAMPLE DATA		TEST DATA	
Sample I.D.	Crushed Stone	Number of Revolutions:	500
Sample Source:	J.L.'s Pit	Number of Spheres:	12
Sample Type:	40mm Crushed Stone	Mass of Spheres:	4996.8 grams
Date Sampled:	16-Dec-10	Mass of Sample Tested:	5000.5 grams
Date Received:	21-Dec-10	Grading Category:	A
Date Tested:	22-Dec-10	Date Reported	30-Dec-10 Revised

TESTED SAMPLE DATA					CSA A23.2-16A, SPECIFIED TEST REQUIREMENTS				
					CSA A23.2-16A, Table 1: Numbers of Sphere and Mass				
Sieve Sizes		Tested Sample	After 500 Revolutions		A	B	C	D	E
Passing	Retained	(Grams)	+1.8mm (Grams)	-1.8mm (Grams)	12 Balls 5000+/- 25 g	11 Balls 4584+/- 25 g	8 Balls 3330+/- 20 g	6 Balls 2500+/- 15 g	
					CSA A23.2-16A, Table 2: Suggested Gradings of Test Samples				
		(Grams)	(Grams)	(Grams)	(Grams)	(Grams)	(Grams)	(Grams)	(Grams)
40.0 mm	- 28.0 mm	1255.8			1250+/-25				
28.0 mm	- 20.0 mm	1242.7			1250+/-25				
20.0 mm	- 14.0 mm	1255.0			1250+/-10	2500+/-10			
14.0 mm	- 10.0 mm	1247.0			1250+/-10	2500+/-10	2500+/-10		
10.0 mm	- 5.0 mm						2500+/-10	5000+/-10	
5.0 mm	- 2.5 mm								5000+/-10
Totals		5000.5	4051.0	949.5	5000+/-10	5000+/-10	5000+/-10	5000+/-10	5000+/-10

Loss at 500 Revolutions	19.0%	APPLICABLE REQUIREMENTS			
		Standard	Section	Reference	Max Limit
Comments:		CSA A23.1		Table 12	50
* For concrete exposed to freezing and thawing or for other exposure conditions. Result of 19.0% loss after 500 revolutions meets CSA max limit of 50%.					

Per:
 for: Tatyana Tsvetkova, ASCT
 Laboratory Supervisor

Reviewed by:
 Cengiz Guldemet, P.Eng
 Materials Engineer



Reporting of these test results constitutes a testing service only.
 Engineering interpretation or evaluation of test results is provided only on written request

