

**REPORT ON RAIL BALLAST**
 101 HIGH STREET  
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**CLIENT:** GLENDON QUARRY  
**PROJECT:** Material Investigation  
**JOB NO:** E0911/869

**DATE SAMPLED:** 16th May 2013  
**DATE TESTED:** 27th May 2013

Sample Number	67888		
Laboratory Number	112666		
Lot No	-		
Description of Material	Grey Crushed Rock		
Sample Location	-		
Sampling Method	Sampled by Client		
Material Source	Glendon Quarry		
For Use As	Rail Ballast		

**TEST METHODS: AS1141 Section .14, .22\*, .23\*, 24, 25.2\* .6.1, .11, RT1, RT2, Q215**

<b>SOURCE MATERIALS STANDARDS</b>			
Wet / Dry Strength Variation (13.2 - 9.5mm)	%	19	
10% Fines Wet (13.2 - 9.5mm)	kN	191	
Particle Shape (13.2 - 9.5mm)	%	-	
Wet / Dry Strength Variation (26.5 - 19mm)	%	12	
10% Fines Wet (26.5 - 19mm)	kN	183	
Particle Shape (26.5 - 19mm)	%	-	
Degradation Factor	%	76	
Particle Density (Saturated Surface Dry)	t/m <sup>3</sup>	2.86	
Water Absorption	%	0.5	
Los Angeles Value	%	16.0	
Mill Abrasion	%	4.8	
Abrasion Number		40	
Sodium Sulfate Soundness	%	0.2	
<b>PRODUCT STANDARDS</b>			
Crushed Particles (Product)	%		
Particle Shape (Product)	%		
<b>SIEVE ANALYSIS: AS1141. 11, 12</b>			
Sieve Size (mm)	Specification		% Passing
63.0		-	
53.0		100	
37.5		35	
26.5		3	
9.5		0	
0.075		0.2	

\* Sample Preparation included Laboratory Crushing.

**Report No:** 8977/08**Date of Issue:** 30th May 2013
**Authorised Signatory:**   
 D. Carolan

 NATA Accredited Laboratory  
 Number : 2135

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 with ISO/IEC 17025