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|---------------------------------|--------------|-------------------|
| Product Test Certificate | 13028 | 21/05/2013 |
| | Number | Date |

| Line | Pack NoNo included | | RHS/SHS/CHS Nominal Size (mm) | | | | Specification | Grade | Steel Supplier | Testing Authority/ NATA (ILAC) Accreditation No | | | Steelmaking process |
|------|--------------------|-------------|----------------------------------|----|-----|-----|---------------|---------|----------------|--|-----------|----------|------------------------|
| | From | To | d /do | b | t | L | | | | Tensile | Impact | Chemical | |
| 1 | 13085M10037 | 13085M10042 | 50 | 50 | 6 | Any | AS/NZS 1163 | C350 L0 | BSL | MTL/17219 | MTL/17219 | BSL/632 | BO,CC +note 9 |
| 2 | 13085M10045 | 13085M10046 | 50 | 50 | 3 | Any | AS/NZS 1163 | C350 L0 | YPE | ALS/218 | | FS/14877 | BO,CC +note 9 |
| 3 | 13085M10047 | 13086M10003 | 65 | 35 | 3 | Any | AS/NZS 1163 | C350 L0 | BSL | ALS/218 | | BSL/632 | BO,CC +note 9 |
| 4 | 13086M10009 | 13086M10011 | 65 | 35 | 2.5 | Any | AS/NZS 1163 | C350 L0 | BSL | ALS/218 | | BSL/632 | BO,CC +note 9 |
| 5 | 13086M10012 | 13086M10014 | 65 | 35 | 2 | Any | AS/NZS 1163 | C350 L0 | BSL | ALS/218 | | BSL/632 | BO,CC +note 9 |

| Line | STEEL CHEMICAL ANALYSES (%)-As supplied by Steelmaker ("L") | | | | | | | | | | | | | | | | MECHANICAL TEST RESULTS (Orientation-"L") | | | | | | | | |
|------|---|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|---|-----------|--------------|-----|--------|--------------------|----|----|-----|
| | HEAT No | C | P | Mn | Si | S | Ni | Cr | Mo | Cu | Al | Ti | Nb | V | CE | SiE | Testing Report No- Sample ID | Condition | Tensile test | | | Impact test at 0°C | | | |
| | | x100 | | | | | | | | | | | | | | | | | YS | TS | E | 1 | 2 | 3 | Ave |
| | | | | | | | | | | | | | | | | | | | MPa | % | Joules | | | | |
| 1 | 6341119 | 15.6 | 1.6 | 99.0 | 1.0 | 0.9 | 1.5 | 2.0 | 0.4 | 2.6 | 2.8 | 0.2 | 1.6 | 0.3 | 33 | 5 | T2247-1154 | A | 488 | 599 | 19 | 64 | 66 | 64 | 65 |
| 2 | OCL031X001 | 20.0 | 1.6 | 75.0 | 1.0 | 0.8 | 3.0 | 5.0 | 1.0 | 3.0 | 3.6 | 1.0 | 1.0 | 1.0 | 34 | 4 | 3179-1-1155 | A | 515 | 580 | 25 | | | | |
| 3 | 7337559 | 15.1 | 1.4 | 78.0 | 0.7 | 1.1 | 1.4 | 1.9 | 0.2 | 1.9 | 3.7 | 0.2 | 0.1 | 0.3 | 29 | 4 | 3179-1-1156 | A | 515 | 580 | 26 | | | | |
| 4 | 7331219 | 15.2 | 1.6 | 74.0 | 0.5 | 1.1 | 2.4 | 2.3 | 0.3 | 2.2 | 2.6 | 0.2 | 0.1 | 0.3 | 29 | 5 | 3179-1-1158 | A | 415 | 480 | 24 | | | | |
| 5 | 7323359 | 16.2 | 1.7 | 74.0 | 1.0 | 1.2 | 1.1 | 1.9 | 0.5 | 2.3 | 3.8 | 0.2 | 0.1 | 0.3 | 30 | 5 | 3179-1-1159 | A | 405 | 480 | 41 | | | | |

Notes: 1) $CE=C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15$; 2) $SiE=Si+2.5P$; 3) Gauge Length for E= $5.65\sqrt{So}$; 4) Impact test piece thickness is 5 mm; 5) For t less than 6 mm L0 properties derived as per CI 10.6.2.2 of AS/NZS 1163; 6) Data in the table refers to the samples representative for each line; 7) BSL=BlueScope Steel; YPE=Yien Phui Enterprise CO., LTD; BO,SC= Basic Oxygen,Continuous (Slab) Casting; ALS=Australian Laboratory Services Industrial; 8) The production date in the format yyddd constitutes the first 5 digits of the pack number and is printed on each length; 9) Information provided by the steel supplier "STEEL FEED: IN ACCORDANCE WITH CLAUSES 6 AND 10.6.2.2 OF AS/NZS 1163:2009 THESE COILS WERE PRODUCED FROM ALUMINIUM FULLY KILLED, FINE GRAINED STEEL AND ALUMINIUM HAS BEEN USED AS THE GRAIN REFINING ELEMENT".

| Packs covered by this certificate | | |
|-----------------------------------|------------|---|
| Line | Heat | Pack numbers |
| 1 | 6341119 | 13085M10037 13085M10038 13085M10039 13085M10040 13085M10041 13085M10042 |
| 2 | OCL031X001 | 13085M10045 13085M10046 |
| 3 | 7337559 | 13085M10047 13085M10048 13085M10049 13085M10050 13085M10051 13086M10003 |
| 4 | 7331219 | 13086M10009 13086M10010 13086M10011 |
| 5 | 7323359 | 13086M10012 13086M10013 13086M10014 |
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Independent Tube Mills confirms that products listed above were manufactured, tested, and supplied in full compliance with the specifications quoted in this certificate

Authorized signatory: *R.Fisher*