SOMERS FORGE LIMITED

**JOB SPECIFICATION**

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| **JOB TITLE:**  Metallurgist  REPORTING TO: Technical/QA Manager |

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| **DEPARTMENT:** Technical/Quality |
| **SUPERVISORY RESPONSIBILITY:** N/A |
| **JOB PURPOSE:**  Provide technical guidance and support throughout the business. |
| **MAIN DUTIES AND RESPONSIBILITIES:**    **Principal**   * Carry out technical contract reviews on new orders, including production of heat treatment and forging procedures. * Provide technical support to customers, estimating/sales and production departments:   + Material selection for optimal properties   + Selection of heat treatment processes and parameters   + Provide technical training and support to forge/heat treatment personnel and assist with developing resources to aid estimating and production departments. * Continuous improvement:   + Investigate mechanical test failures and devise remedial heat treatments   + Monitor failure trends and identify preventative actions   + Police forging and heat treatment operations to ensure standards and procedures are followed. * Carry out metallography for routine testing and failure investigations * Provide technical input in R&D activities   **Secondary**   * Support/assist quality department with:   + Setting and achieving technical/quality objectives   + Investigating quality/non-conformance issues   + Reviewing SOP’s to ensure they are in line with current best practice   + Customer and third-party audits (e.g. BSI) * Work and adhere to HSE and Environment guidelines on site * To perform such duties as generally correspond to the nature of the position and its level of responsibility as requested by test house or QA managers. |

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| **PRINCIPAL ACCOUNTABILITIES:**     * Achieve 95% first time pass rate mechanical tests & Brinell hardness * 100% adherence to customer, national and international standards |
| **RELATIONSHIPS:**   1. One direct report in metallurgy department 2. All areas of business 3. Customers 4. Auditing authorities |
| **ADDITIONAL INFORMATION:**   * A firm understanding of metallurgical concepts is necessary however on-the-job training can be provided to develop any skills required. * A materials engineering/metallurgical qualification (e.g. HNC or degree) or previous experience of forging/heat treatment is preferred. * Metallography preparation and analysis advantageous * Familiarity with BS EN 9100 Quality Management System * Flexibility in working hours may be required at times to cover working patterns |