



JOB DESCRIPTION

Occupational Group: 008

Job Code: 1295

Job Level: 09

Job # 008-1295-09

Hours of Work: CBA

Department #: 640

Issue Date:

NOC Code: 2212

Position Title: Metallurgical Technician "A"

Department Name: Laboratories, R&O

Reporting To: Supervisor, Special Processes

Purpose of Position: Perform & report on tests in the Metallurgical Laboratory

Key Contacts: *External:*

Internal:

<p>Position Requirements</p> <ul style="list-style-type: none"> Action oriented Dealing with ambiguity Informing Patience Planning Priority Setting 	<p>Position Specific Skills</p> <p><i>Computer skills in application programs such Microsoft Word, Excel & Access</i></p> <p><i>Performs tests independently</i></p> <p><i>Experience using: hand grinder, cut-off machine, wet grinding wheel, polishing wheel, microscope, camera, tensile machine, hardness testing machine, bend test fixture, stress rupture machine, data logger (or chart recorder) & computer</i></p> <p>Job Progression CBA</p> <p>Pay Equity Male Dominated</p>	<p>Effort, Working Conditions</p> <ul style="list-style-type: none"> Minimal physical effort Comfortable physical environment Moderate sensory attention Modest mental stress <p>Education/ Background</p> <ul style="list-style-type: none"> Formal college education in a 2 yr. Metallurgy program 3-5 yrs. Related work experience in a manufacturing environment preferably aerospace 	
<p>Major Responsibilities</p>	<p>%</p>	<p>Standards</p>	<p>Competencies</p>
<p>Perform test to assess welding & brazing equipment, processes, & employee certification</p> <p>Perform tests & assess the quality of flame & plasma spray coating</p> <p>Conduct hardness testing using Rockwell, Vickers, & portable hardness tester</p> <p>Perform tensile testing at room & elevated temperatures</p> <p>Polish, etch, & photograph specimens for metallographic examination</p> <p>Interpret & assess microstructure conditions</p> <p>Align & verify instrumentation & equipment, manufacture test tensile thermocouples & operate potentiometers, recorders, & similar equipment</p> <p>Perform & report on stress rupture testing</p> <p>Prepare flat test samples for tensile or stress rupture testing. Prepare bend test specimen</p> <p>Prepare presentation of data in form of graphs, tables, & charts; Check calculation test results performed by other technician(s)</p>	<p>20</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p>	<p><i>Certify process operators, materials, process & production control tests</i></p>	<p><i>Customer focus</i></p> <p><i>Function & technical skills</i></p> <p><i>Directing others</i></p> <p>Training</p> <ul style="list-style-type: none"> Orientation QMS/EMS Controlled Goods Legislation WHMIS Round Robin (all tests) Chemical Storage & Handling Registration of Wastes Spill Response TCE Vapour Degrease Hydrofluoric Acid Safety

Company _____ **Date:** _____

Local 1922 _____ **Date:** _____