|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | | |
| **\*DATE** |  | **\*QUANTITY TESTED** |  |
| **\*ORGANIZATION** |  | **\*PART NUMBER** |  |
| \*HEAT TREAT LOCATION |  | **\*PART NAME** |  |
| **\*NAME OF LABORATORY** |  | **\*BATCH TRACE NUMBER** |  |
| **\*MATERIAL SUPPLIER** |  | **\*Tier 1 PO Number** |  |
| **\*SUPPLIER VENDOR CODE** . | |  | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Heat Treat to TPS300 and include** | SPECIFICATION / LIMITS (min/max) | | SUPPLIER TEST RESULTS (DATA) | **OK** | **NOT OK** |
| *\*Per Print and Spec: Note surface/case hardness spec and record final surface/case hardness as measured.* |  |  |  |  |  |
| *\*Per print and Spec: Microstructutre photo must be added on cert to assure martensitic transformation. Insert Microstructure Photo Below:* |  | |  |  |  |
| *\*Per Spec 1.0: Assure parts were nomalized per section if forging was used.* |  | |  |  |  |
| *\*Per Spec: Assure quenching oil is used per section 2.2: Note: water soluble solution not permitted.* |  | |  |  |  |
| *\*Per Spec 4.3: Assure parts were tempered for stress relief for min 1 hour per 1 inch of thickness.* |  | |  |  |  |

INSERT MICROSTRUCTURE PHOTO HERE

\*Follow CQI-9 for frequency check requirements.

Microstructure checks changed from “every batch” CQI-9 Revision 3 to “once per day per furnace” on CQI-9 Revision 4.