|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | | |
| **\*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 TPS-269 and include:** | SPECIFICATION / LIMITS (min/max) | | SUPPLIER TEST RESULTS (DATA) | **OK** | **NOT OK** |
| *\*Per Print and Spec: Note case hardness spec and record final case hardness as measured.* |  |  |  |  |  |
| *\*Per Print and spec:Note core hardness spec and record final core hardness as measured.* |  |  |  |  |  |
| *\*Per Spec: Case Microstructutre photo for TPS-300 core treat must be added on cert to assure martensitic transformation. (Insert Microstructure Photo below)* |  | |  |  |  |
| *\*Per Print and spec: Note case depth and record final case depth as measured.* |  |  |  |  |  |
| *\*Per Spec 11.3: Assure white layer does not exceed .0006”and record results.* |  |  |  |  |  |
| *\*Per Spec 3.0: Quench only with oil, Temper as noted in section 4, and assure forgings are Normalized per section 2.1.* |  | |  |  |  |

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.