

## Rotable Equipment Tag

|                                    |  |
|------------------------------------|--|
| <b>Rotable Equipment Tag</b>       |  |
| Equipment description              |  |
| Make                               |  |
| Model                              |  |
| Serial No                          |  |
| SAP Functional Location No         |  |
| Equipment No                       |  |
| Part No                            |  |
| Stock No                           |  |
| Store location No                  |  |
| Overhauled by                      |  |
| Overhaul date                      |  |
| Overhaul work order numbers        |  |
| Overhaul purchase order numbers    |  |
| Location of Before Use Instruction |  |
| Instruction Before Use             |  |

|   |       |
|---|-------|
| Overhaul Report   |       |
| Site  |       |
| Location  |       |
| Sub-location  |       |
| Asset Description   |       |
| FL Number   |       |
| PID Tag Number  |       |
| Hour Meter Reading  |       |
| Actual Start Date   |       |
| Recommission Date   |       |
| Report prepared by  |       |
| Sign  |       |
| Date  |       |
| Name plate details  |       |
| Make  |       |
| Type  |       |
| Size  |       |
| Serial Number   |       |
| Flow rate   | L/sec |
| Working pressure  | kPa   |
| Mass  | kg    |
| Impeller diameter   |       |
| Seal make   |       |
| Seal model  |       |
| Water Classification (tick applicable box <input checked="" type="checkbox"/> ) |       |
| Standard Water <input type="checkbox"/>   |       |
| Corrosive Water <input type="checkbox"/>  |       |
| Highly Corrosive Water <input type="checkbox"/>                                 |       |

|                 |  |
|-----------------|--|
| Project Manager |  |
| Company Name    |  |
| Name            |  |
| Contact Phone   |  |
| Contact Fax     |  |
| Contact Email   |  |

|                           |  |
|---------------------------|--|
| Contractor Details        |  |
| Company Name              |  |
| Name                      |  |
| Contact Phone             |  |
| Contact Fax               |  |
| Contact Email             |  |
| Brief Description of Work |  |

| SAP Work Order Numbers | Brief Description of Work |
|------------------------|---------------------------|
|                        |                           |
|                        |                           |
|                        |                           |

| Task Tracker Numbers | Brief Description of Work |
|----------------------|---------------------------|
|                      |                           |
|                      |                           |
|                      |                           |

| Purchase Order Number | Supplier | Brief Description of Order |
|-----------------------|----------|----------------------------|
|                       |          |                            |
|                       |          |                            |
|                       |          |                            |
|                       |          |                            |

Pump Internal Surfaces/Coatings

|                                     | Base Coat | Finish Coat |
|-------------------------------------|-----------|-------------|
| Manufacturer                        |           |             |
| Product Name                        |           |             |
| Recommended Application Thickness   |           |             |
| Batch No                            |           |             |
| Spark Test Recommended Test Voltage |           |             |
| Spark Test Machine Details          |           |             |
| Make                                |           |             |
| Model                               |           |             |
| Serial No                           |           |             |
| Spark Test Results                  | Base Coat | Finish Coat |
| Coating Thickness - Actual          |           |             |
| Base Coat Test Voltage Actual       |           |             |
| 'As Found' Comment -                |           |             |
| 'As Built' Comment -                |           |             |

Pump External Surfaces/Coatings

|                                     | Base Coat | Finish Coat |
|-------------------------------------|-----------|-------------|
| Manufacturer                        |           |             |
| Product Name                        |           |             |
| Recommended Application Thickness   |           |             |
| Batch No                            |           |             |
| Spark Test Recommended Test Voltage |           |             |
| Spark Test Machine Details          |           |             |
| Make                                |           |             |
| Model                               |           |             |
| Serial No                           |           |             |
| Spark Test Results                  | Base Coat | Finish Coat |
| Coating Thickness - Actual          |           |             |
| Base Coat Test Voltage Actual       |           |             |
| 'As Found' Comment -                |           |             |
| 'As Built' Comment -                |           |             |

Pump DE Bearing

| Part Number          | Qty | Description | Replaced |    |
|----------------------|-----|-------------|----------|----|
|                      |     |             | Yes      | No |
|                      |     |             |          |    |
| 'As Found' Comment - |     |             |          |    |
| 'As Built' Comment - |     |             |          |    |

Pump NDE Bearing

| Part Number          | Qty | Description | Replaced |    |
|----------------------|-----|-------------|----------|----|
|                      |     |             | Yes      | No |
|                      |     |             |          |    |
| 'As Found' Comment - |     |             |          |    |
| 'As Built' Comment - |     |             |          |    |

### Bearing Lubrication

|                    |      |                    |
|--------------------|------|--------------------|
| Manufacturer       | Type | Volume per bearing |
|                    |      |                    |
| 'As Found' Comment |      |                    |
| 'As Built' Comment |      |                    |

### Pump Mechanical Seals

|              |           |            |                               |                             |                      |
|--------------|-----------|------------|-------------------------------|-----------------------------|----------------------|
| Manufacturer | Seal type | Shaft size | Stationary seal face material | Rotating seal face material | Elastomeric material |
|              |           |            |                               |                             |                      |

### Pump DE Mechanical Seal

| Part Number          | Qty | Description | Refurbished |    | Replaced |    |
|----------------------|-----|-------------|-------------|----|----------|----|
|                      |     |             | Yes         | No | Yes      | No |
|                      |     |             |             |    |          |    |
| 'As Found' Comment – |     |             |             |    |          |    |
| 'As Built' Comment – |     |             |             |    |          |    |

### Pump NDE Mechanical Seal

| Part Number          | Qty | Description | Refurbished |    | Replaced |    |
|----------------------|-----|-------------|-------------|----|----------|----|
|                      |     |             | Yes         | No | Yes      | No |
|                      |     |             |             |    |          |    |
| 'As Found' Comment – |     |             |             |    |          |    |
| 'As Built' Comment – |     |             |             |    |          |    |

### Pump Packing (if applicable)

|              |              |                 |               |              |
|--------------|--------------|-----------------|---------------|--------------|
| Manufacturer | Packing type | Stuffing box ID | Shaft size OD | Packing size |
|              |              |                 |               |              |

### Pump Shaft

| Part Number  | Qty | Description | Replaced |    |
|--|-----|-------------|----------|----|
|  |     |             | Yes      | No |
|  |     |             |          |    |
| Total dial indicator run out                      mm |     |             |          |    |
| 'As Found' Comment –                                 |     |             |          |    |
| 'As Built' Comment -                                 |     |             |          |    |

Pump Shaft Sleeve DE

| Part Number          | Qty | Description | Replaced |    |
|----------------------|-----|-------------|----------|----|
|                      |     |             | Yes      | No |
|                      |     |             |          |    |
| 'As Found' Comment – |     |             |          |    |
| 'As Built' Comment - |     |             |          |    |

Pump Shaft Sleeve NDE

| Part Number          | Qty | Description | Replaced |    |
|----------------------|-----|-------------|----------|----|
|                      |     |             | Yes      | No |
|                      |     |             |          |    |
| 'As Found' Comment – |     |             |          |    |
| 'As Built' Comment - |     |             |          |    |

Pump Impeller

| Part Number          | Qty | Description | Replaced |    |
|----------------------|-----|-------------|----------|----|
|                      |     |             | Yes      | No |
|                      |     |             |          |    |
| 'As Found' Comment – |     |             |          |    |
| 'As Built' Comment – |     |             |          |    |

Casing Gasket

| Make                 | Type | Thickness<br>mm | Replaced |    |
|----------------------|------|-----------------|----------|----|
|                      |      |                 | Yes      | No |
|                      |      |                 |          |    |
| 'As Found' Comment – |      |                 |          |    |
| 'As Built' Comment – |      |                 |          |    |

Coolant (if applicable)

| Make                 | Type | Volume<br>L | Replaced |    |
|----------------------|------|-------------|----------|----|
|                      |      |             | Yes      | No |
|                      |      |             |          |    |
| 'As Found' Comment – |      |             |          |    |
| 'As Built' Comment – |      |             |          |    |

Impeller - Wear Ring DE

| Part Number   | Qty | Description | Replaced |    |
|---|-----|-------------|----------|----|
|   |     |             | Yes      | No |
|   |     |             |          |    |
| 'As Found' Comment –  |     |             |          |    |
| 'As Built' Comment –<br>DE outside diameter                      mm |     |             |          |    |

Impeller - Wear Ring NDE

| Part Number  | Qty | Description | Replaced |    |
|--|-----|-------------|----------|----|
|  |     |             | Yes      | No |
|  |     |             |          |    |
| 'As Found' Comment –   |     |             |          |    |
| 'As Built' Comment –<br>NDE outside diameter                      mm |     |             |          |    |

Pump Casing – Wear Ring DE

| Part Number   | Qty | Description | Replaced |    |
|---|-----|-------------|----------|----|
|   |     |             | Yes      | No |
|   |     |             |          |    |
| 'As Found' Comment –  |     |             |          |    |
| 'As Built' Comment –<br>DE inside diameter                      mm<br>Wear ring clearance                      –                      = |     |             |          |    |

Pump Casing – Wear Ring NDE

| Part Number  | Qty | Description | Replaced |    |
|--|-----|-------------|----------|----|
|  |     |             | Yes      | No |
|  |     |             |          |    |
| 'As Found' Comment –   |     |             |          |    |
| 'As Built' Comment –<br>NDE inside diameter                      mm<br>Wear ring clearance                      –                      = |     |             |          |    |

Parts required for next overhaul

| Part Number | Description | Qty | Cost per Unit | Extended Cost |
|-------------|-------------|-----|---------------|---------------|
|             |             |     |               |               |
|             |             |     |               |               |
|             |             |     |               |               |

| Pump Clearances |   |            |            | Record finished component dimensions (to enable material to be pre-purchased for manufacture)<br>Do not include machining allowance |    |       |
|-----------------|---|------------|------------|---|----|-------|
| ID No           | Component                               | "As Found" | "As Built" | OD  | ID | Width |
| A               | DE Casing ring ID (A)                   |            |            |   |    |       |
| B               | DE Impeller ring OD (B)                 |            |            |   |    |       |
| A-B             | Wear ring clearance (A-B)               |            |            | NA  | NA | NA    |
| C               | NDE Casing ring ID (C)                  |            |            |   |    |       |
| D               | NDE Impeller ring OD (D)                |            |            |   |    |       |
| C-D             | Wear ring clearance (C-D)               |            |            | NA  | NA | NA    |
| E               | DE Neck bush ID (E)                     |            |            |   |    |       |
| F               | DE Packing sleeve OD (F)                |            |            |   |    |       |
| E-F             | DE Sleeve clearance (E-F)               |            |            | NA  | NA | NA    |
| G               | NDE Neck bush ID (G)                    |            |            |   |    |       |
| H               | NDE Packing sleeve OD (H)               |            |            |   |    |       |
| G-H             | NDE Sleeve clearance (G-H)              |            |            | NA  | NA | NA    |
| I               | DE Bearing housing inside diameter (I)  |            |            | NA  | NA | NA    |
| J               | DE Bearing outside diameter (J)         |            |            | NA  | NA | NA    |
| I-J             | DE Clearance or interference fit (I-J)  |            |            | NA  | NA | NA    |
| K               | NDE Bearing housing inside diameter (K) |            |            | NA  | NA | NA    |
| L               | NDE Bearing outside diameter (L)        |            |            | NA  | NA | NA    |
| K-L             | Clearance or interference fit (K-L)     |            |            | NA  | NA | NA    |

### Shaft balancing results

Complete this section in lieu of a separate balancing report.

| Component                   | Standard | Run Speed (rpm) | Balancing speed (rpm) |
|-----------------------------|----------|-----------------|-----------------------|
| Impeller and shaft          |          |                 |                       |
| Impeller shaft and coupling |          |                 |                       |
|                             |          |                 |                       |

Pressure testing

Complete this section in lieu of a separate pressure test report.

|   |  |
|---|--|
| Test date   |  |
| Test pressure (kPa)   |  |
| Test media  |  |
| Leakage rate<br><small>(Turn shaft by hand. Minimum one rotation)</small> |  |
| Operator (print name)   |  |
| Operator sign   |  |
| Witness (print name)  |  |
| Witness sign  |  |