Steps to be taken on the original log files.

Each of these log-files should go through the following steps before being merged.

Table

Description automatically generated

This is how the table looks like after the transformations in Power BI.

These are the steps taken to get there

* Table.RemoveColumns({"Error Code", "Application", "Machine", "Category", "Event Type", "Thread ID", "User", "Source.Name"})
* Table.TransformColumnTypes({{"Timestamp", type datetime}})
* Table.SelectRows(each Text.StartsWith([Log Message], "Lot Run - Dumping special environment variables") or Text.StartsWith([Log Message], "Lot Run - Lot Inspection Done") or Text.StartsWith([Log Message], "Wafer Run - Time per wafer inspection ") and Text.EndsWith([Log Message], ">"))
* Table.ReplaceValue("Lot Run - Dumping special environment variables:<Lot Run -Lot name : ","Lot Start <",Replacer.ReplaceText,{"Log Message"})
* Table.ReplaceValue("Wafer Run - Time per wafer inspection = ","Duration = ",Replacer.ReplaceText,{"Log Message"})
* Table.ReplaceValue("Lot Run - Lot Inspection Done<Lot Run -Lot name : ","Lot End <",Replacer.ReplaceText,{"Log Message"})
* = Table.ReplaceValue("<Wafer Run - Lot name: ","<Wafer Run - Lot name: ",Replacer.ReplaceText,{"Log Message"})
* Table.SplitColumn("Log Message", Splitter.SplitTextByEachDelimiter({"<"}, QuoteStyle.Csv, false), {"Log Message.1", "Log Message.2"})
* Table.TransformColumnTypes({{"Log Message.1", type text}, {"Log Message.2", type text}})
* Table.ReplaceValue("Wafer Run - Lot name: ","<",Replacer.ReplaceText,{"Log Message.2"})
* Table.ReplaceValue("<","",Replacer.ReplaceText,{"Log Message.2"})
* Table.ReplaceValue("Duration = ","",Replacer.ReplaceText,{"Log Message.1"})
* Table.ReplaceValue(">","",Replacer.ReplaceText,{"Log Message.2"})
* Table.SplitColumn("Log Message.2", Splitter.SplitTextByDelimiter("\", QuoteStyle.Csv), {"Log Message.2.2", "Log Message.2.3"})
* Table.TransformColumnTypes({{"Log Message.2.1", type text}, {"Log Message.2.2", type text}, {"Log Message.2.3", type text}})
* Table.SplitColumn("Log Message.2.3", Splitter.SplitTextByEachDelimiter({"Wafer ID: "}, QuoteStyle.Csv, false), {"Log Message.2.3.1", "Log Message.2.3.2"})
* Table.TransformColumnTypes({{"Log Message.2.3.1", type text}, {"Log Message.2.3.2", type text}})
* Table.SplitColumn("Log Message.2.3.2", Splitter.SplitTextByEachDelimiter({"Port No: "}, QuoteStyle.Csv, false), {"Log Message.2.3.2.1", "Log Message.2.3.2.2"})
* Table.TransformColumnTypes({{"Log Message.2.3.2.1", type text}, {"Log Message.2.3.2.2", Int64.Type}})
* Table.RenameColumns({{"Log Message.2.3.2.1", "Wafer ID"}, {"Log Message.2.3.2.2", "Port ID"}, {"Log Message.2.3.1", "Lot ID"}, {"Log Message.2.2", "Customer Path"}, {"Log Message.2.1", "User Path"}, {"Log Message.1", "Message"}})
* Table.DuplicateColumn("Timestamp", "Timestamp - Copy")
* Table.TransformColumnTypes({{"Timestamp - Copy", type date}})
* Table.DuplicateColumn("Timestamp", "Timestamp - Copy.1")
* Table.TransformColumnTypes({{"Timestamp - Copy.1", type time}})
* Table.RenameColumns({{"Timestamp - Copy", "Date"}, {"Timestamp - Copy.1", "Time"}})
* Table.ReorderColumns({"Timestamp", "Date", "Time", "Message", "User Path", "Customer Path", "Lot ID", "Wafer ID", "Port ID"})