

Asset Data Collection Recommendations (per ISO 14224)

Guidelines to know what equipment
data to collect



Main Category	Definition	Examples
Identification	Equipment location	Location tag number Equipment number
	Classification	Equipment unit class, e.g. compressor Equipment type Application
	Installation data	Installation code, category Operation category Area
	Equipment unit data	Equipment unit description Serial number Subunit redundancy
Design	Manufacturer's data	Manufacturer's name Model number
	Design characteristics	Relevant for each equipment class, for example: Capacity rating, RPM, power consumption rating, lube/oil capacity, voltage, amps, flow rate
Application	Operation (normal use)	Equipment unit redundancy Mode (continuous running, intermittent, etc.) Installation or production start-up date Surveillance period and accumulated operating time Operating parameters relevant for each equipment (e.g. operating power, speed)
	Environmental factors	Ambient conditions (severe, moderate, benign) Interior environment (severe, moderate, benign)
Remarks	Additional information	Additional information in free text and data source

Determine financial and reliability data to collect:

- What is its remaining useful life?
- What is its remaining economic value?
- What is the asset's total cost of ownership?
- What is the current condition (mean time between failures, mean time to repair)?