AI2COE Industrial IQ

ReliabilityMind AI Maintenance Readiness Report

Engine: ReliabilityMind AI | Industry: Oil & Gas | Rows analyzed: 24 | Generated by: AI2COE sample user

Score	Risk	Confidence	Evidence	Capital exposure
83.3	Controlled	Medium Confidence	28	458750.0

Data Fit and Mapping Readiness

Source fit	AI match	Mapped readiness	Required mapped
100%	100.0%	100%	2/2

Source fit measures whether the uploaded file contains recognizable inputs. AI match measures column-mapping confidence. Diagnostic readiness measures whether the normalized mapped data can support trustworthy engine output.

Executive Interpretation

Focus on asset integrity, turnaround readiness, working capital exposure, and audit-safe ERP preparation.

Top Findings

Finding	Severity	Confidence	Recommended action
3 rows show potential false stockout cases	MEDIUM	72%	Run PartsCleanse AI to detect alternate duplicate records before emergency buying.
1 rows show repeat demand patterns	MEDIUM	72%	Review repeat spare demand for recurring failure or preventive maintenance adjustment.
2 mapped fields need stronger coverage before recurring automation	MEDIUM	68%	Improve field coverage or keep affected findings in human review until the next upload cycle.
24 work-order rows lack priority context	MEDIUM	70%	Add maintenance priority or criticality to the next export before outage readiness review.
8 rows show repeated failure-code demand	HIGH	82%	Review repeated failure patterns with reliability engineering and link parts to corrective actions.

Assumptions and Limitations

- Uploaded data is treated as the source of truth for this diagnostic run.

- No ERP write-back is performed. Outputs are recommendations and evidence records only.

- Financial estimates use uploaded values where available and conservative assumptions otherwise.

- Industry language is adjusted for Oil & Gas: plants, wells, refineries, shutdowns, turnarounds, and asset integrity.

- Workbench scores were calculated before and after engine execution: source fit 100%, AI match 100.0%, mapping readiness 100%, diagnostic confidence 94.3%.

- Public sample report: deterministic AI2COE sample data was used. Replace with uploaded customer data for customer-specific findings.

- Results are diagnostic signals, not final accounting entries.

- Low-confidence findings require human review before remediation.

- Missing source fields reduce confidence and may suppress some analyzers.

- Benchmarks are labelled assumptions unless validated by uploaded data.

Trust boundary: Industrial IQ does not write back to ERP, EAM, CMMS, procurement, or inventory systems. Findings require human review before remediation.