

# InventoryMind AI Inventory Risk Report

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

Score	Risk	Confidence	Evidence	Capital exposure
45.8	Material Risk	Medium Confidence	21	194045.0

## 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
4 rows indicate dead or inactive stock	HIGH	86%	Review for disposal, transfer, or engineering validation.
5 rows indicate slow-moving stock	MEDIUM	74%	Review stocking policy and reclassify long-tail inventory.
4 rows indicate excess inventory	MEDIUM	74%	Reset min/max policy and release surplus working capital.
Duplicated stock exposure signal detected from repeated catalog signatures	MEDIUM	68%	Run PartsCleanse AI and reconcile duplicate stock before procurement or disposal decisions.
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.

## 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.