

PartsCleanse AI Catalog Diagnostic Report

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

Score	Risk	Confidence	Evidence	Capital exposure
0.0	Board-Level Risk	Medium Confidence	32	201906.25

Data Fit and Mapping Readiness

Source fit	AI match	Mapped readiness	Required mapped
100%	100.0%	100%	1/1

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 likely duplicate catalog records in one family (exact duplicate)	HIGH	84%	Review the duplicate family, retain one controlled material record, and retire or cross-reference redundant records.
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1 supplier alias clusters need normalization	MEDIUM	74%	Normalize supplier aliases and map preferred supplier identity before procurement or catalog remediation.

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.