Cylinder Fleet Utilization

How-to guide: what the workbook does, how to use it and what every number means. mfgcalcs.com

Cylinder Fleet Utilization

Track the share of your gas cylinder fleet in service or rented, by branch and type, with the cylinders idle or in test and the capital they tie up.

For: Fleet, depot and operations managers at industrial and medical gas distributors, fillers and welding supply businesses.

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Quick start

1. On Setup, type your company, currency, target utilization and near band, and list your branches and cylinder types with their replacement value.
2. On Counts, give each fleet count of each type at each branch a row: date, fleet, at customers, filled and ready, and in test.
3. Fix anything the Check column names.
4. Open the Dashboard: utilization against target at the latest count, and the trend by month.

What is in the workbook

Start Here	Read this first: what the workbook does and how to use it.
Setup	Company, currency, target utilization, the near band, the branches, and the cylinder types with their replacement value.
Counts	One row per count of one cylinder type at one branch: fleet and where the cylinders are in; utilization, idle and capital out.
Dashboard	Fleet utilization against target at the latest count, by type and branch, and month by month.
Method	How every number is calculated, with assumptions, limits and sources.
Verify	Self-check: the workbook's formulas recomputed on fixed inputs against an independent reference.

What each number means

Quantity	How it is calculated	Units
In service	At customers or in transit + filled and ready.	cylinders
Utilization and gap	In service / fleet; (target - utilization) x 100.	%, points
Status	On target at or above target; Near target within the near band; Below target further under.	-
Idle or in test, and empty in yard	Fleet - in service; idle or in test - in test.	cylinders

Quantity	How it is calculated	Units
Capital idle	Idle or in test x replacement value.	currency
Type, branch and month totals	Sums of in service over sums of fleet: the latest count, or every count in the month.	%

Assumptions, limitations, sources and the self-check (the Verify sheet, which recomputes the workbook's formulas on fixed test inputs) are in the workbook. The last page shows the Dashboard with the example data for Northvale Gas Supply, a fictional business.

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Engineering estimates for planning and improvement work. Verify the results against your own process, data and standards before you rely on them.

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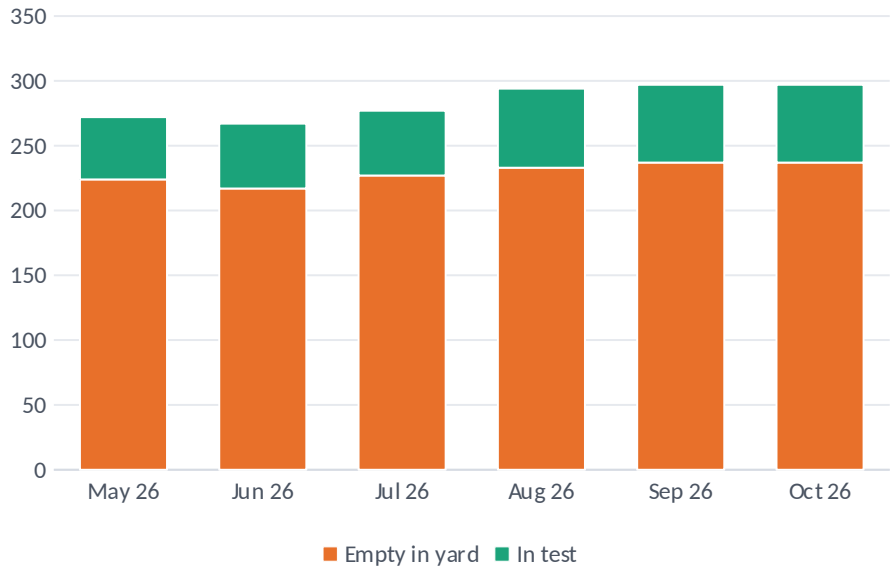
Fleet utilization against target at the latest count, by type and branch, and month by month.

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Northvale Gas Supply (example): latest count 31 Oct 2026. Target 82%. Amounts in USD.

FLEET UTILIZATION	IDLE OR IN TEST	CAPITAL IN IDLE CYLINDERS	LINES BELOW TARGET
80.2%	**297**	**88,420**	**2**
In service / fleet, latest count	Cylinders, latest count	At replacement value	Branch and type, latest count

Idle cylinders by month



Where the cylinders are, latest count

