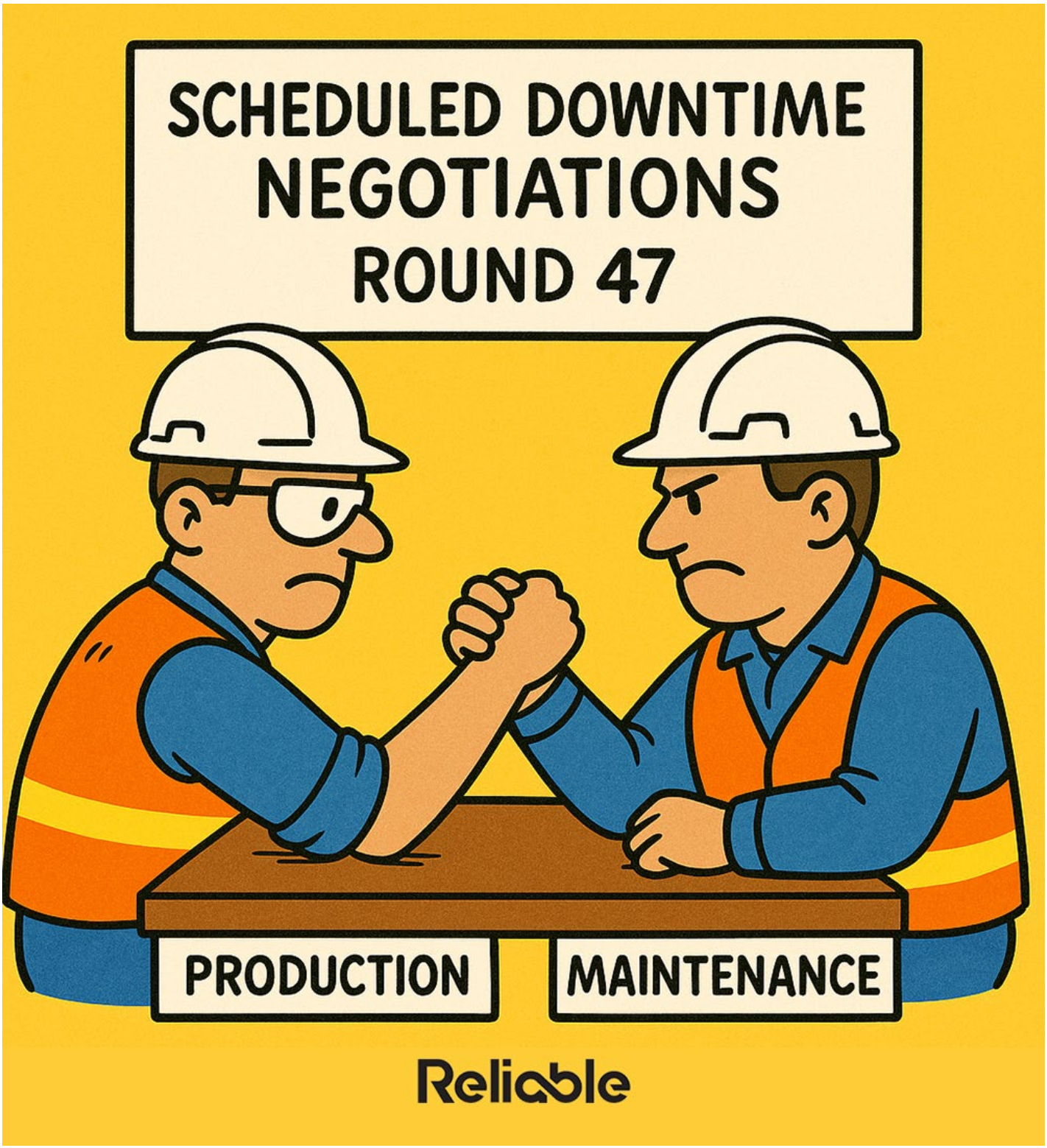
THE PREVENTIVE MAINTENANCE PARADOX



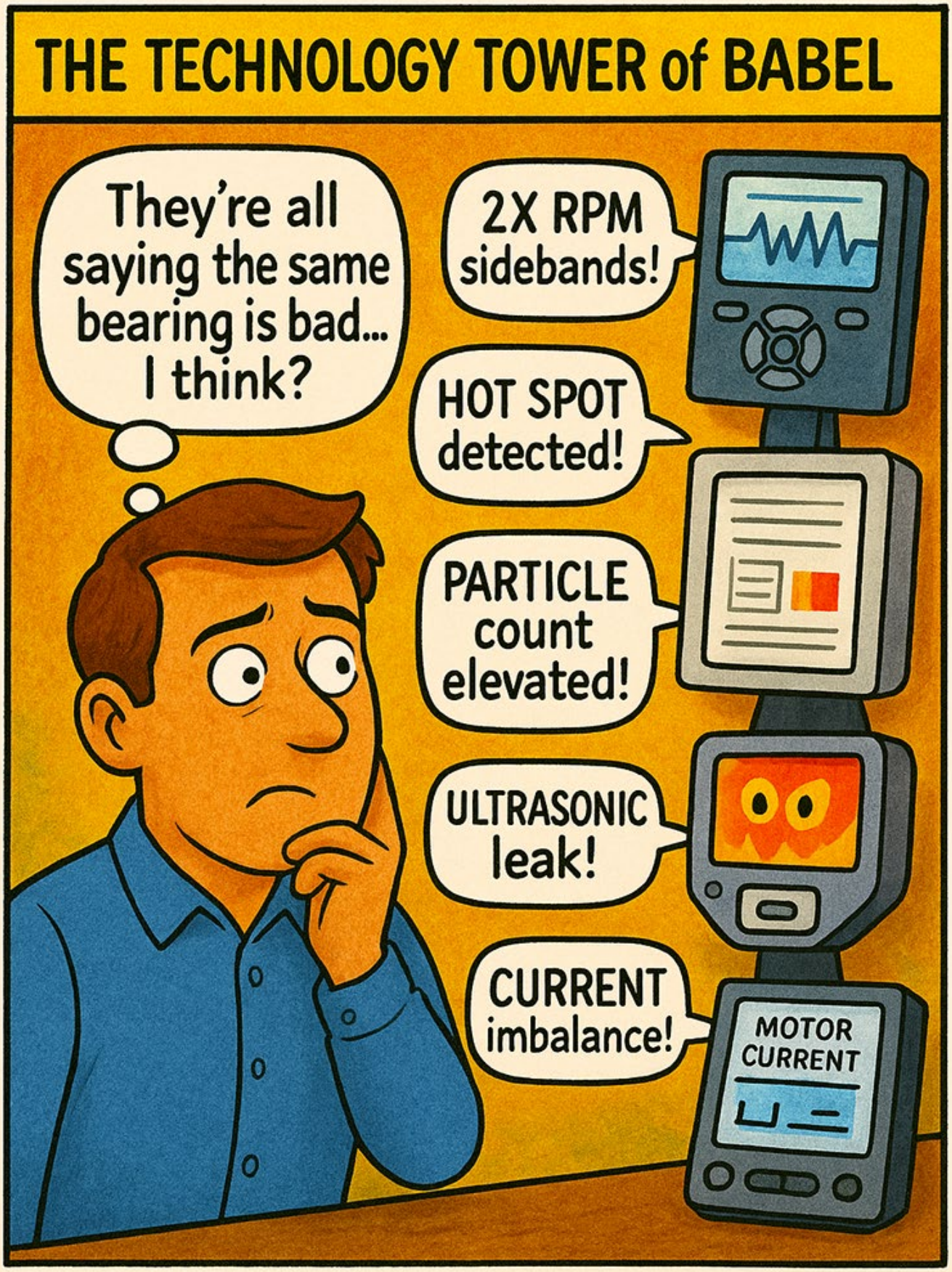
THE SCHEDULE IS SACRED... UNTIL PRODUCTION CALLS.

Reliable


THE NEW BEARING MEETS THE CREW
Wait... you guys run how hot?
Fresh optimism meets plant reality.
Reliable


SCHEDULED DOWNTIME
NEGOTIATIONS
ROUND 47
PRODUCTION
MAINTENANCE
Reliable

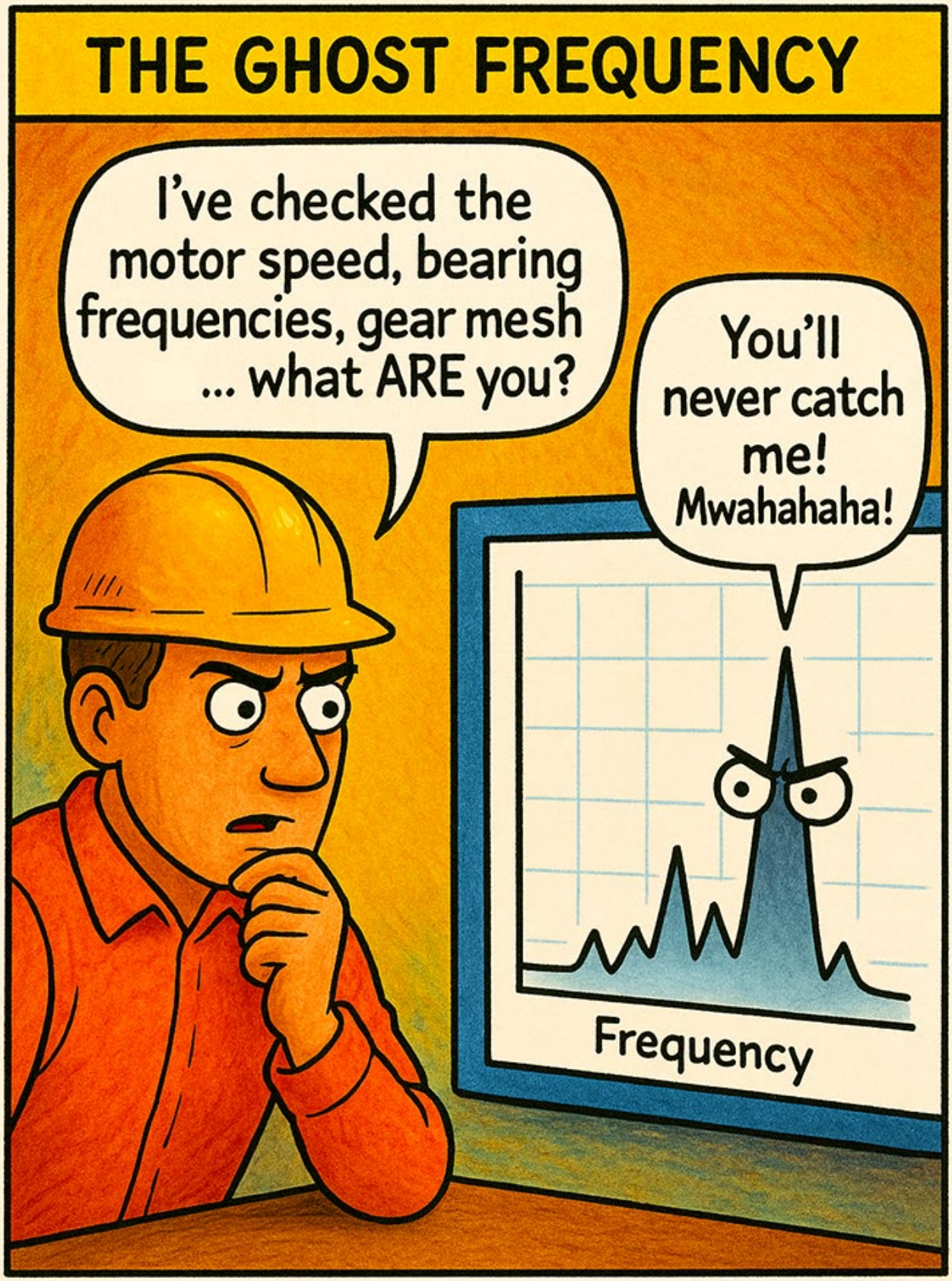

THE OVEREAGER TECHNICIAN
If a little is good...
Reliable


THE TECHNOLOGY TOWER of BABEL
They're all saying the same bearing is bad... I think?
2X RPM sidebands!
HOT SPOT detected!
PARTICLE count elevated!
ULTRASONIC leak!
CURRENT imbalance!
MOTOR CURRENT

Reliable


Sure, ignore me. What could go wrong?
STANDARD OPERATING PROCEDURE
LAST UPDATED: 2007
Reliable

THE GHOST FREQUENCY



Later discovered to be loose mounting bolt resonance.

Reliable


Scheduled Downtime
Finally, some me time,
until ops finds out
Reliable

THE OVERLOADED LIFE



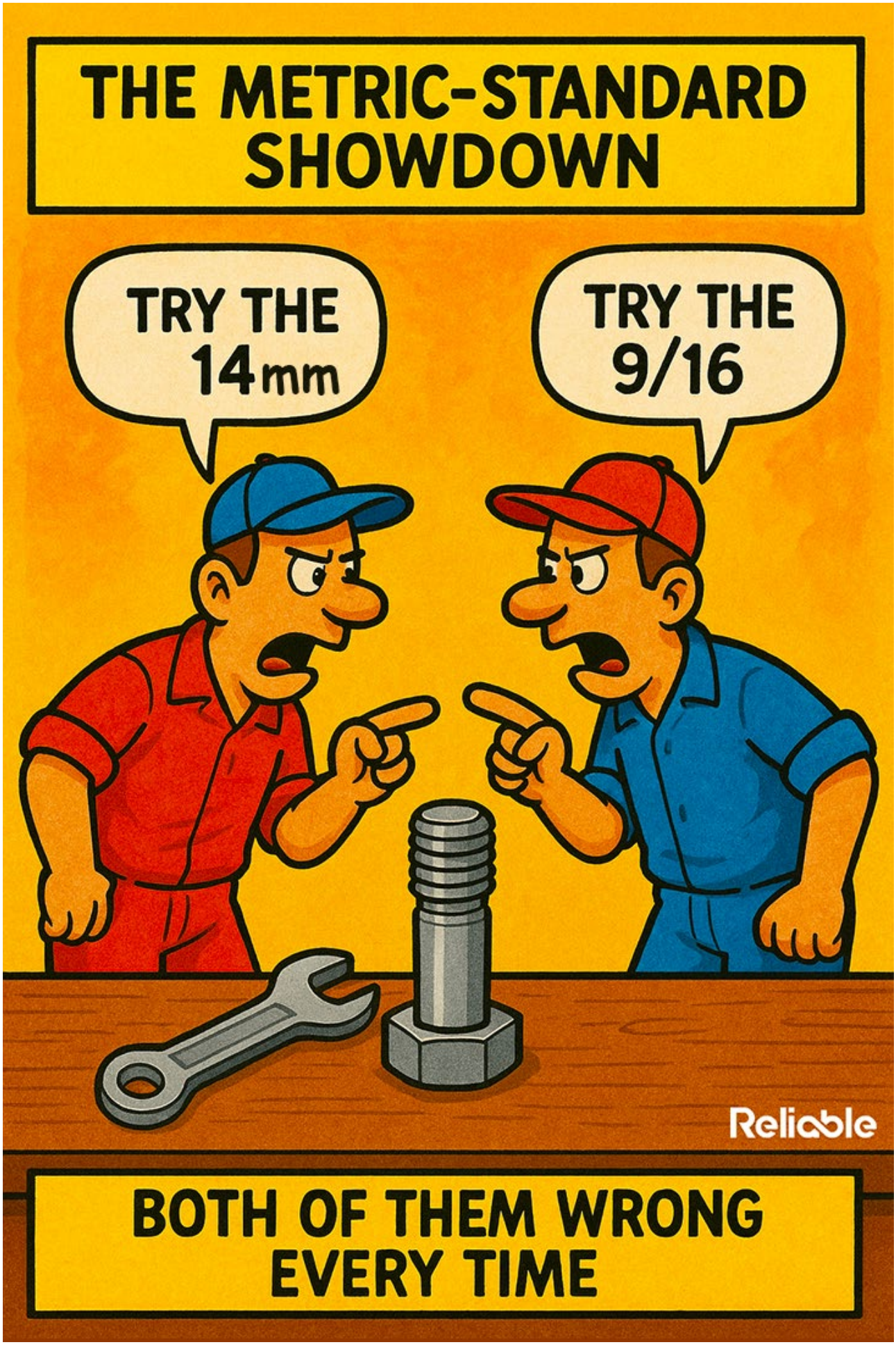
“They told me to ‘just handle it...”

Reliable



Predictive Maintenance said to be ready for anything.

Reliable


THE METRIC-STANDARD SHOWDOWN
TRY THE 14mm
TRY THE 9/16
Reliable
BOTH OF THEM WRONG EVERY TIME

THE PLC WHISPERER



WE DON'T REBOOT IT.
WE PRAY TO IT.

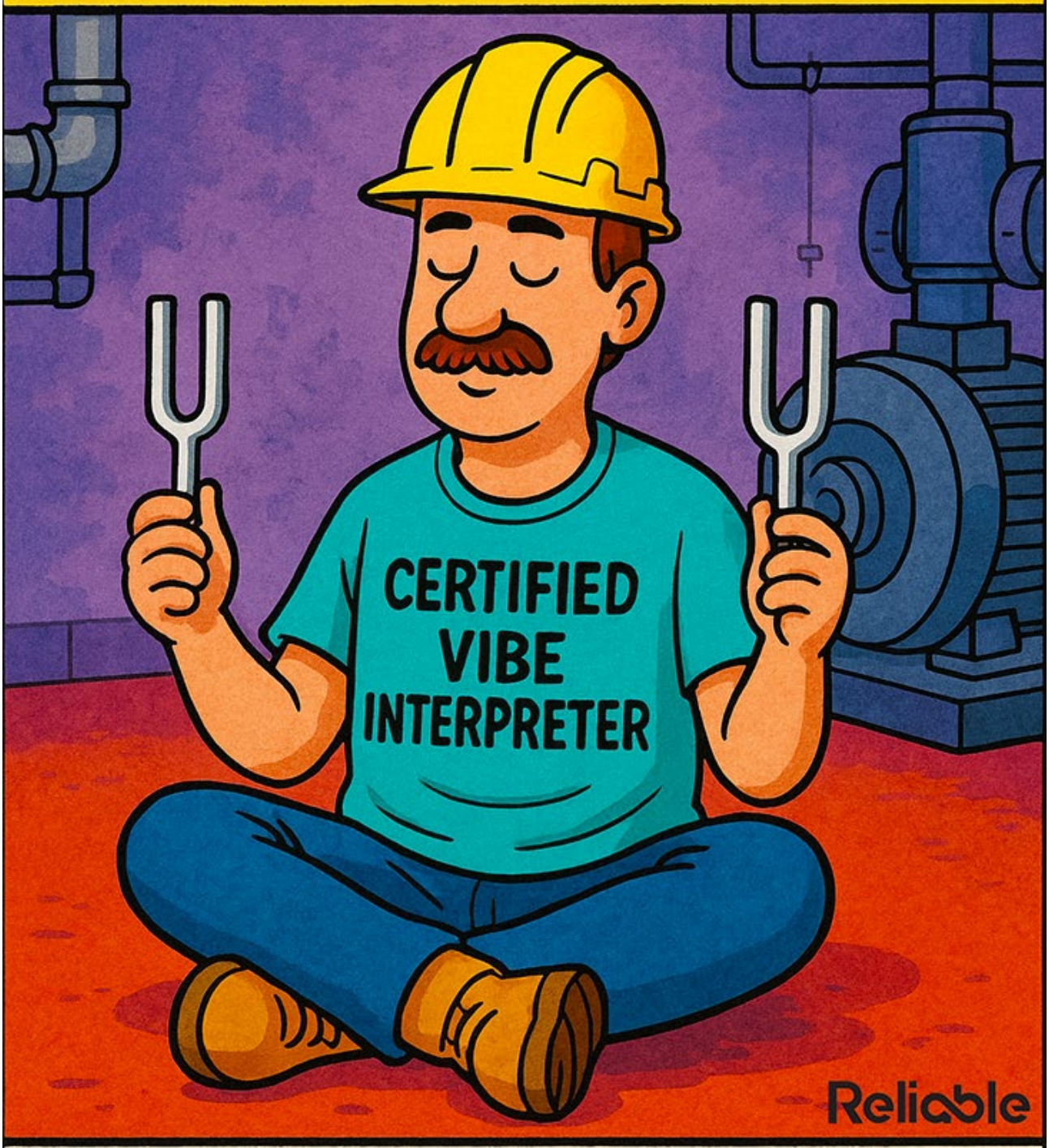
Reliable



“No More *Midnight* Data Collection!”

Reliable

THE VIBRATION WHISPERER



Some say he speaks fluent frequency.

PM TASK SAYS “CHECK BEARING”



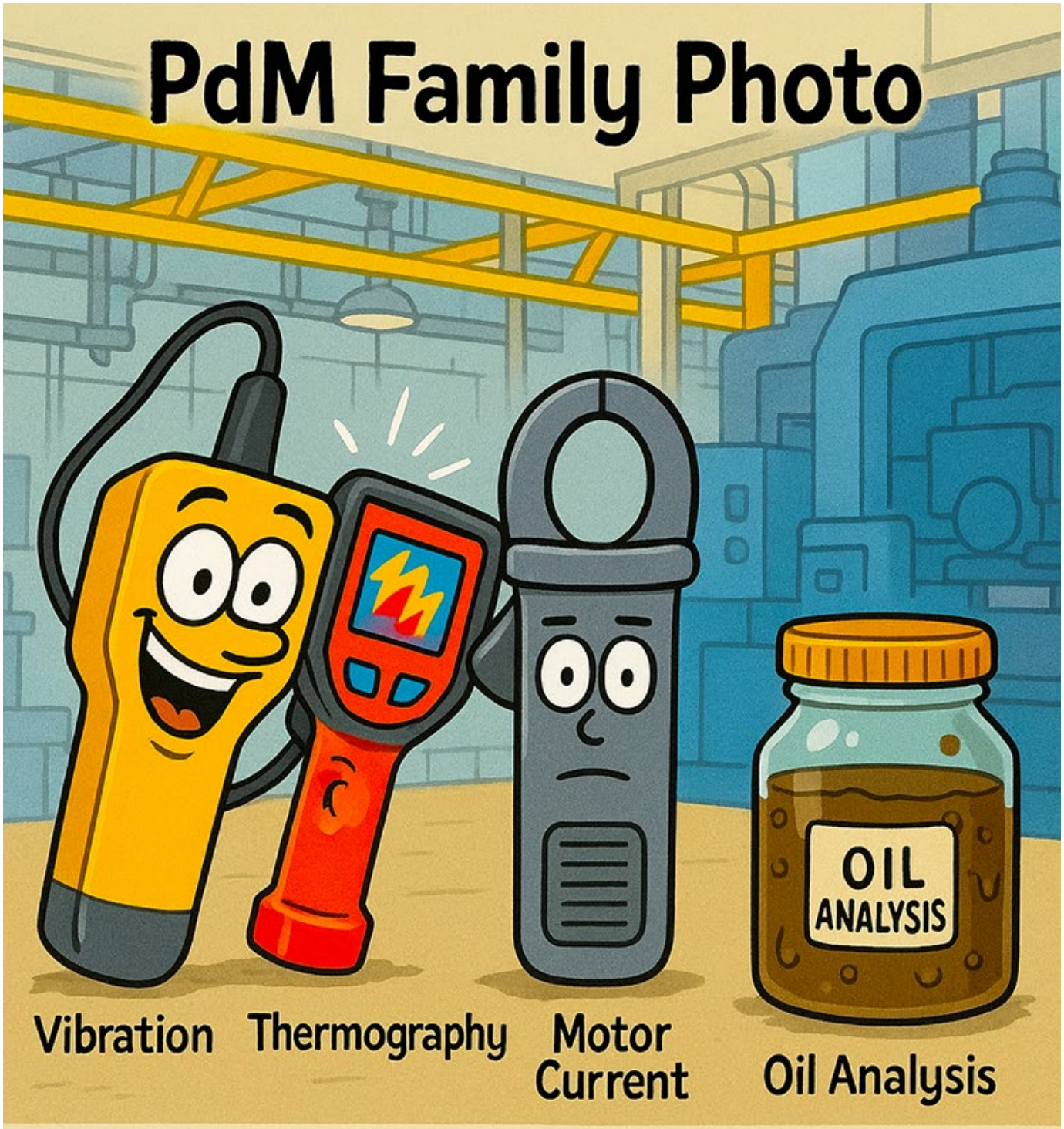
Vague tasks get vague results.

Reliable


PERFORMANCE REVIEW
EFFICIENCY
OUTPUT
Motor #3
LOW MAINTENANCE
Ever since Motor #3 got that ‘Low Maintenance’ award, it’s been insufferable.
Reliable


OUR P-F CURVE IS ASPIRATIONAL
WE LIKE TO CALL IT THE 'F-F CURVE.'
FAILURE ALWAYS WINS.
Reliable

PdM Family Photo



Not everyone *smiles* at the same frequency.

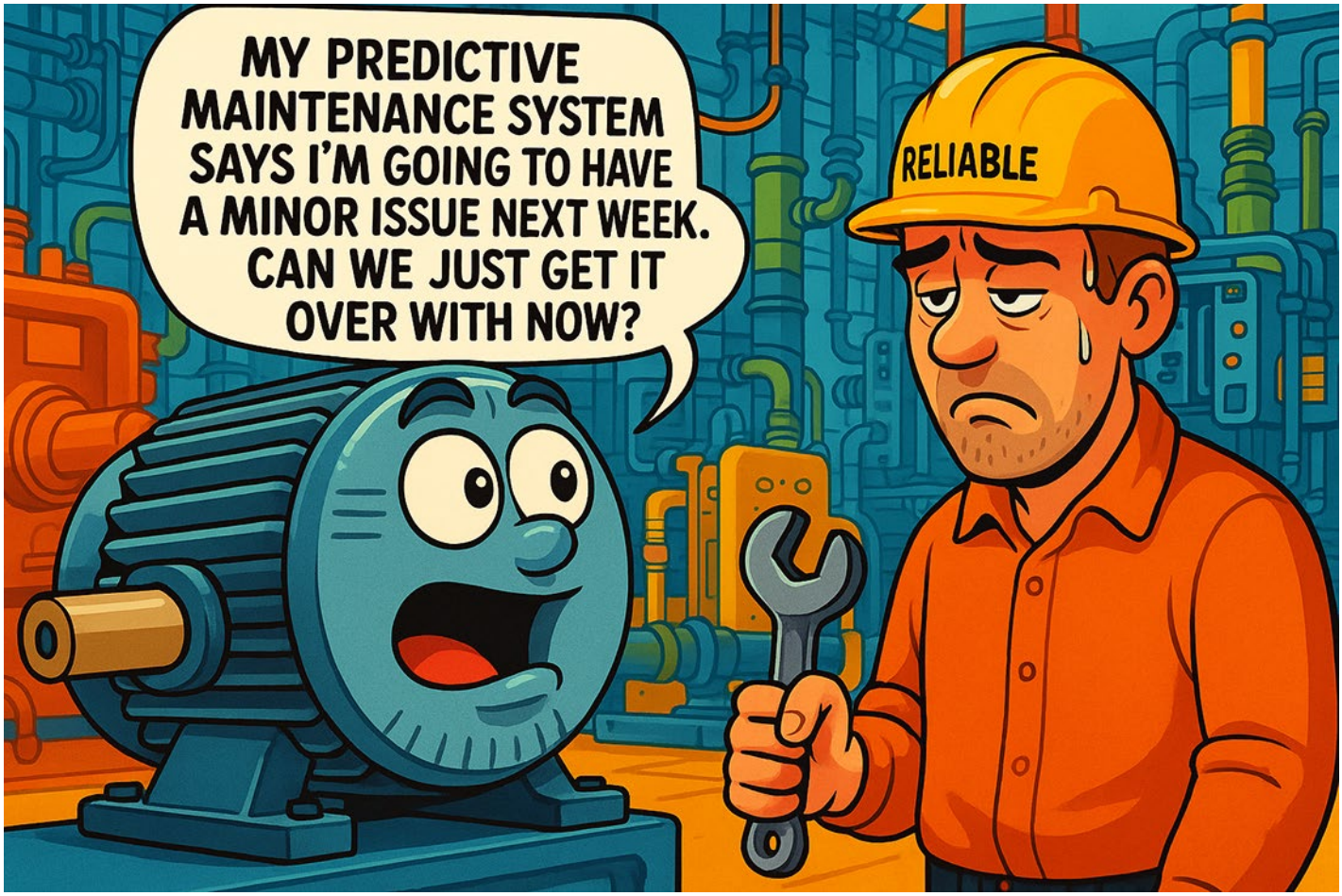
Reliable

PREVENTIVE MAINTENANCE INTERVAL: THE GUESSING GAME



No data? No problem. Just guess.

Reliable


MY PREDICTIVE MAINTENANCE SYSTEM SAYS I'M GOING TO HAVE A MINOR ISSUE NEXT WEEK. CAN WE JUST GET IT OVER WITH NOW?
RELIABLE

JUST ONE MORE RUN...

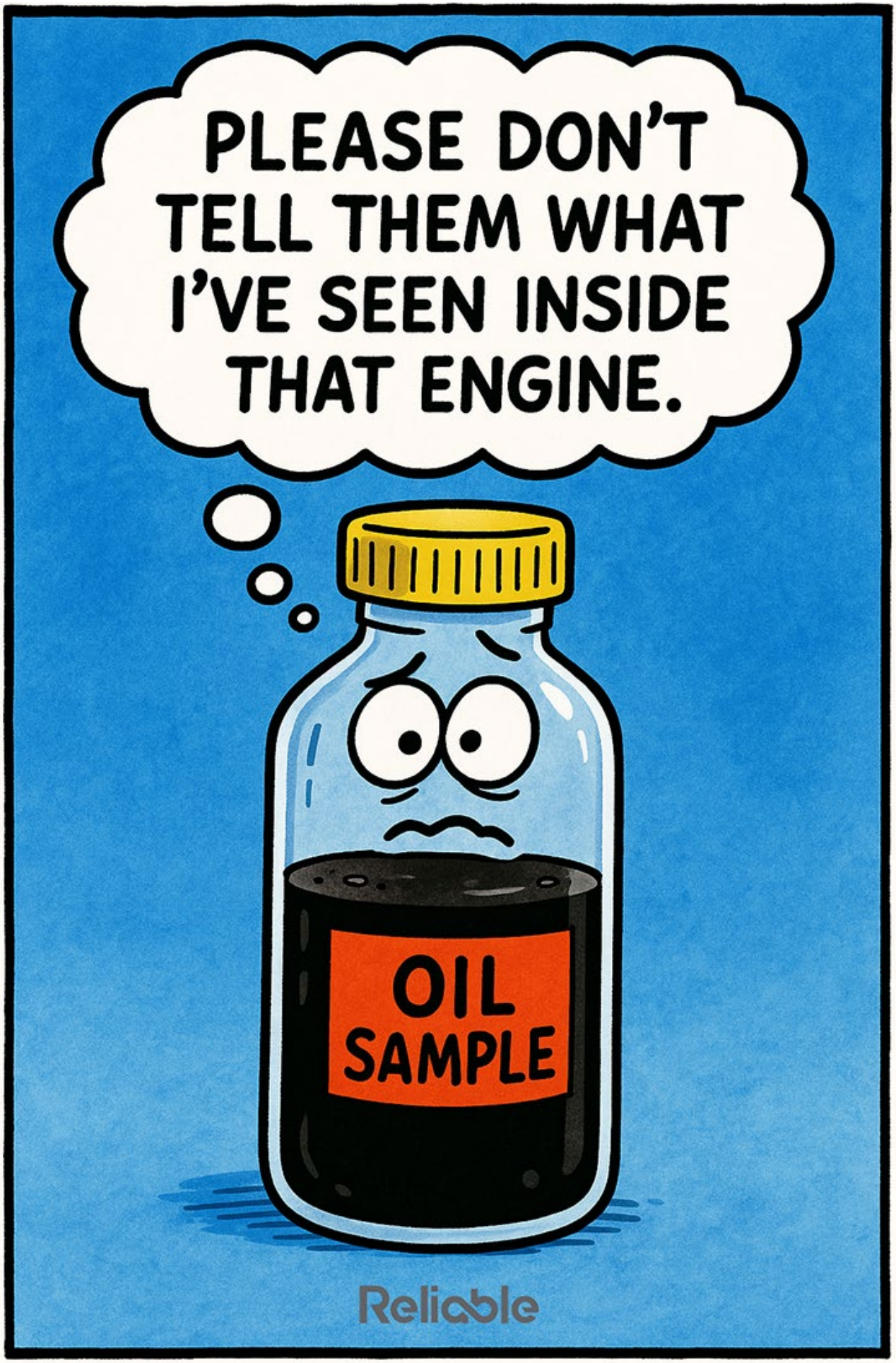


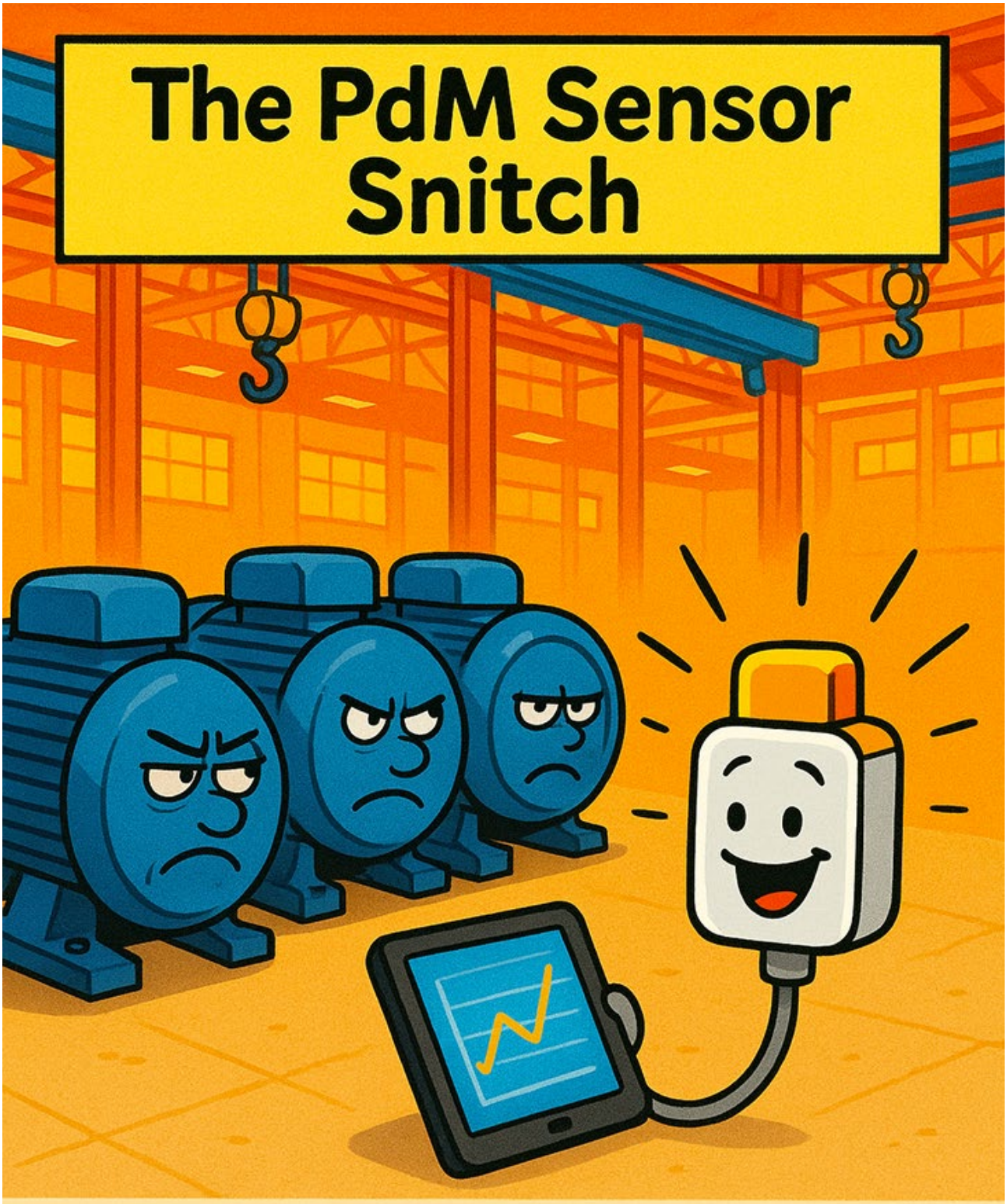
Famous last words before failure.



CONSISTENCY IS KEY IN RELIABILITY

Reliable


PLEASE DON'T TELL THEM WHAT I'VE SEEN INSIDE THAT ENGINE.
OIL SAMPLE
Reliable



Nobody likes the new guy who actually reports everything.

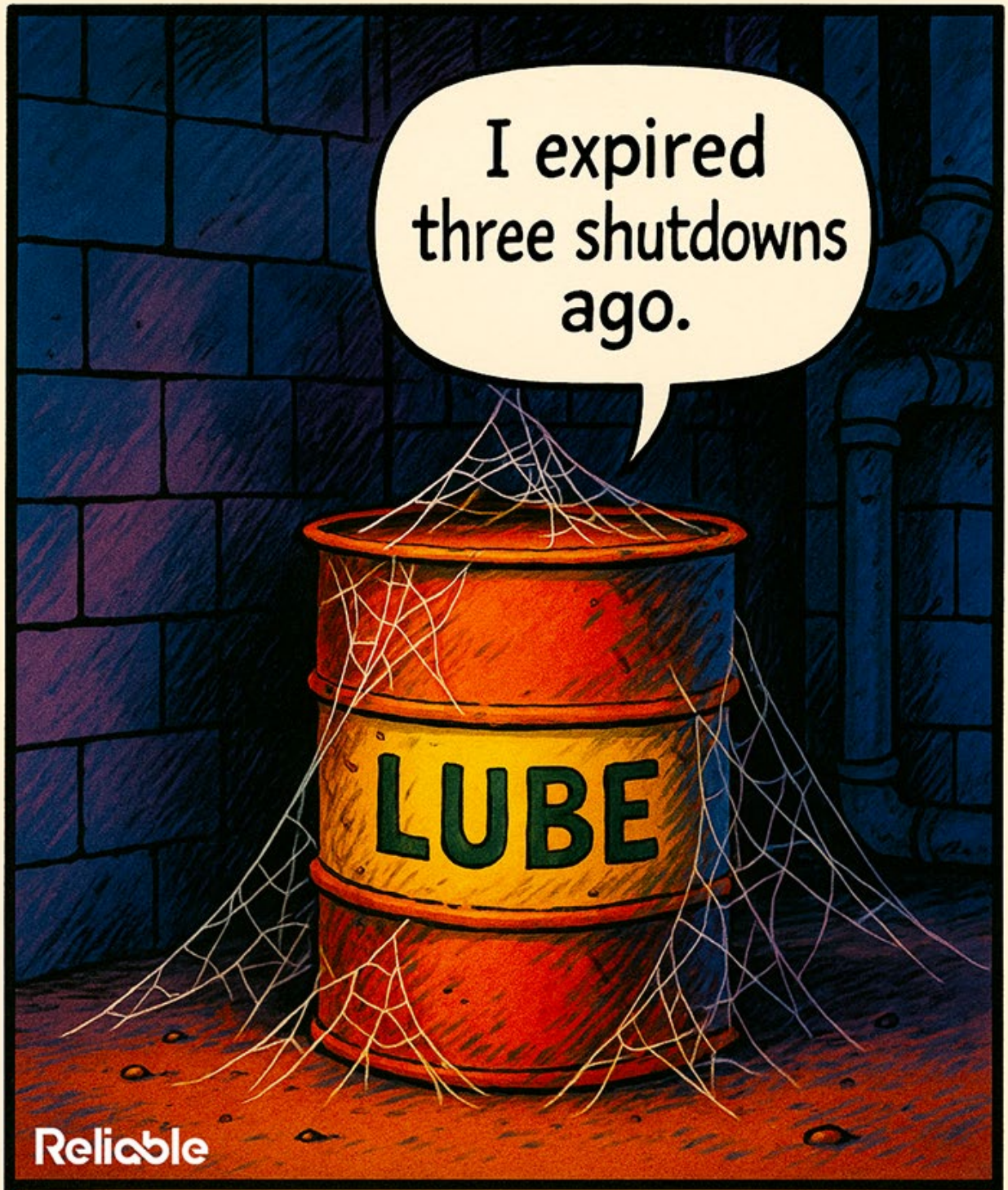
Reliable

PREDICTIVE MAINTENANCE HORROR STORIES



This is why we trend data.

THE FORGOTTEN DRUM



Shelf life isn't just a suggestion.

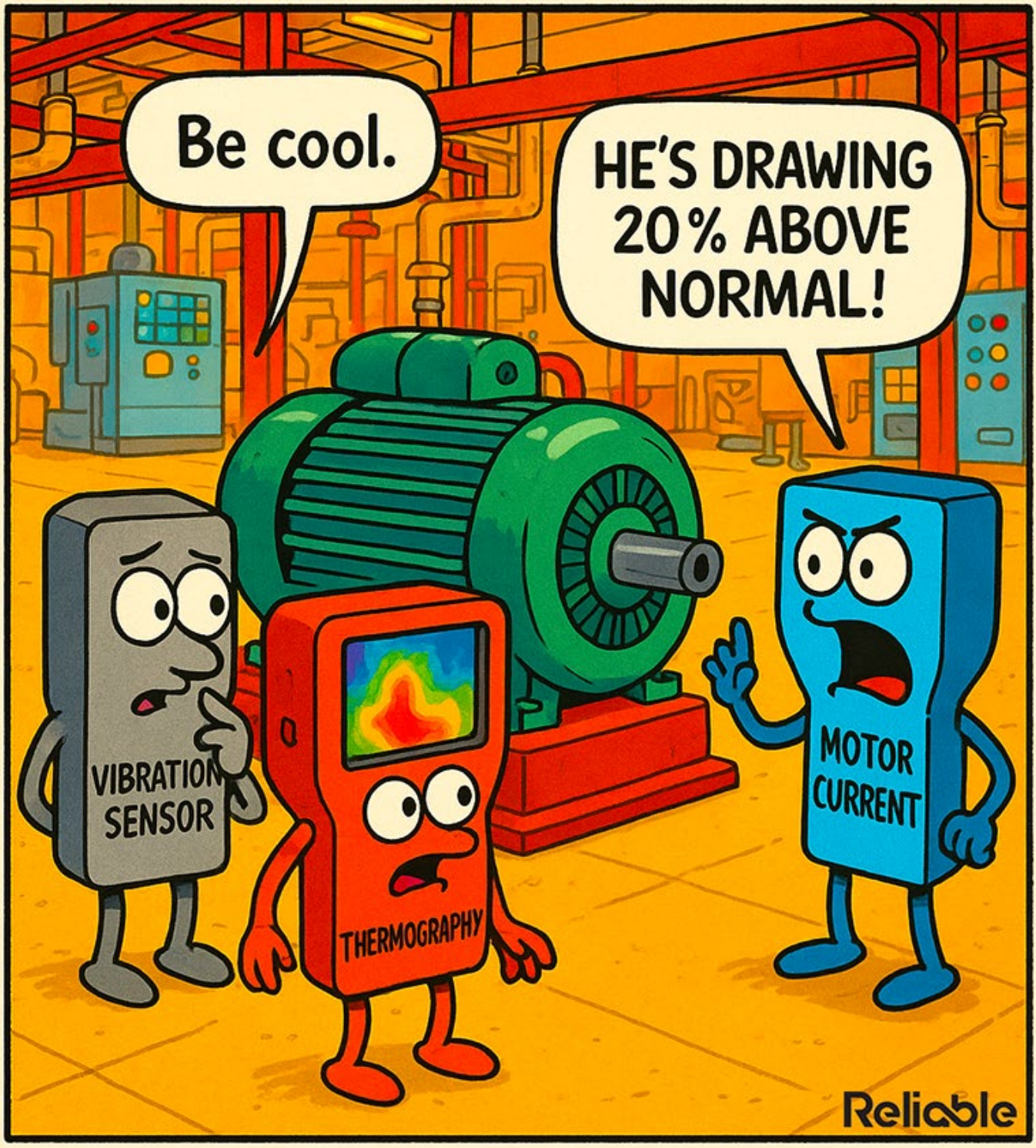
THE NEW PLANNER VISITS THE CMMS



Garbage in, chaos out.

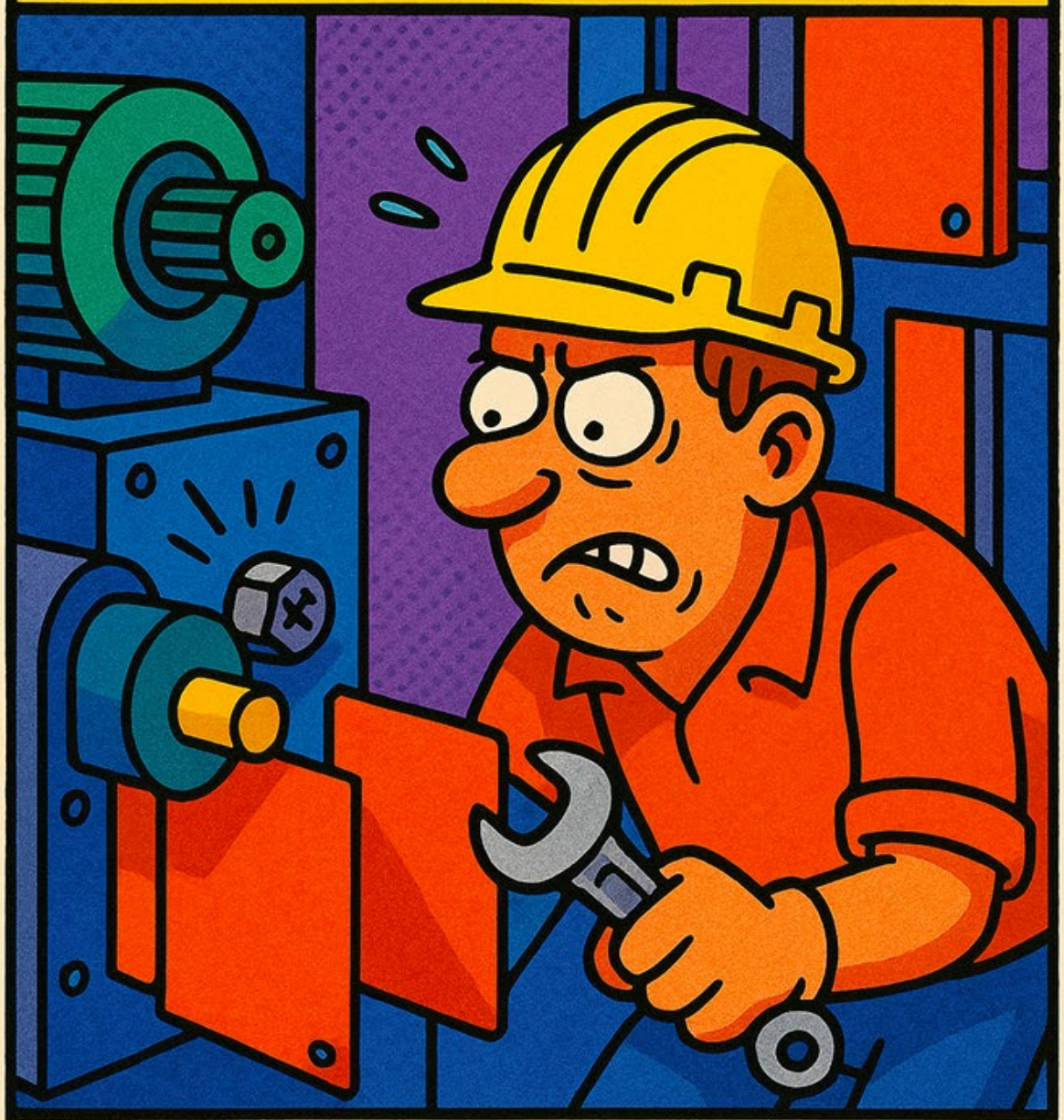
Reliable

Motor Current the Narc



Motor Current Analysis: snitching since day one.

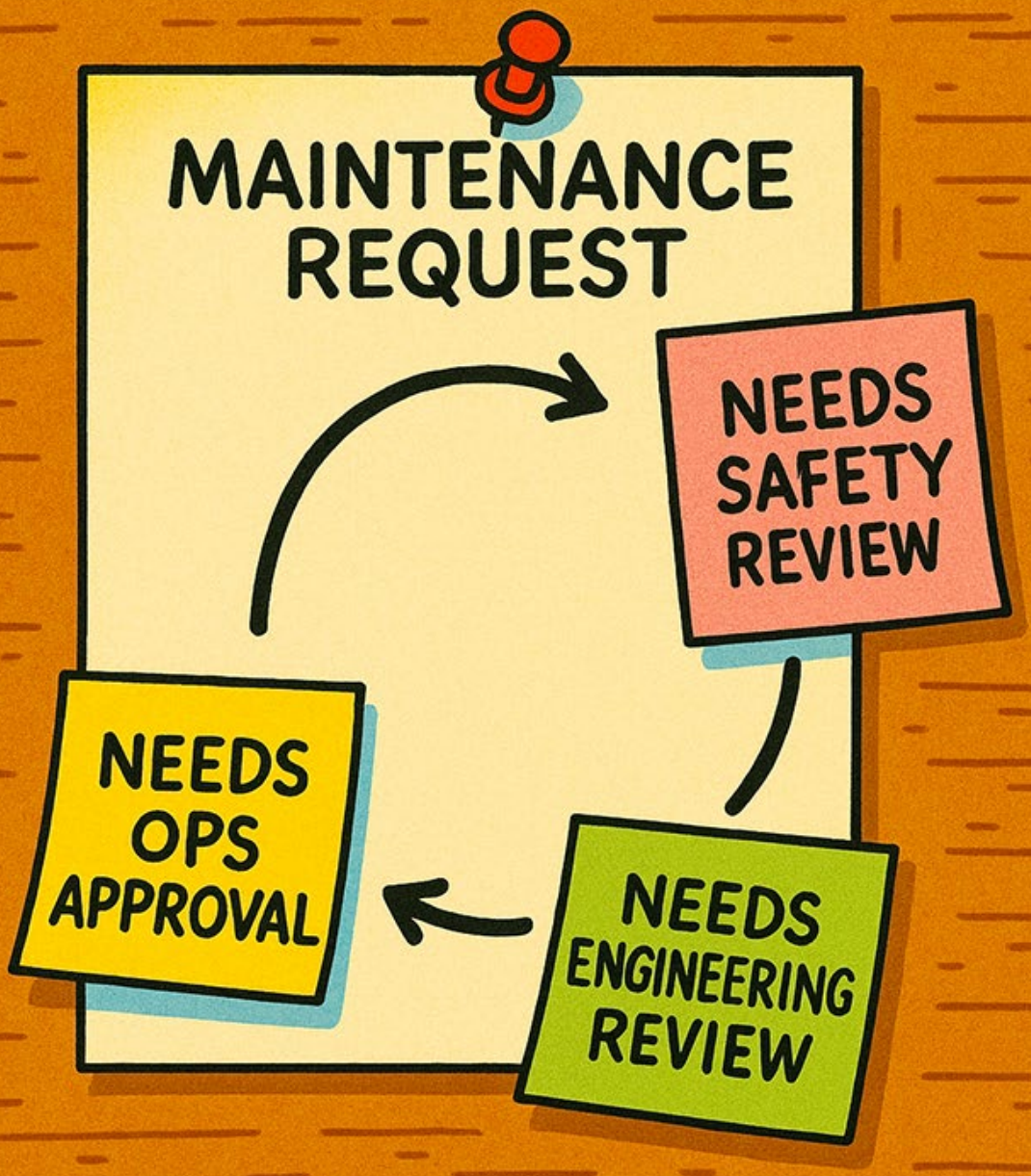
DESIGNED FOR MAINTAINABILITY



Just remove the motor, gearbox, three panels, and your will to live.

Reliable

THE INFINITE LOOP OF APPROVAL



Round and round it goes until it dies.

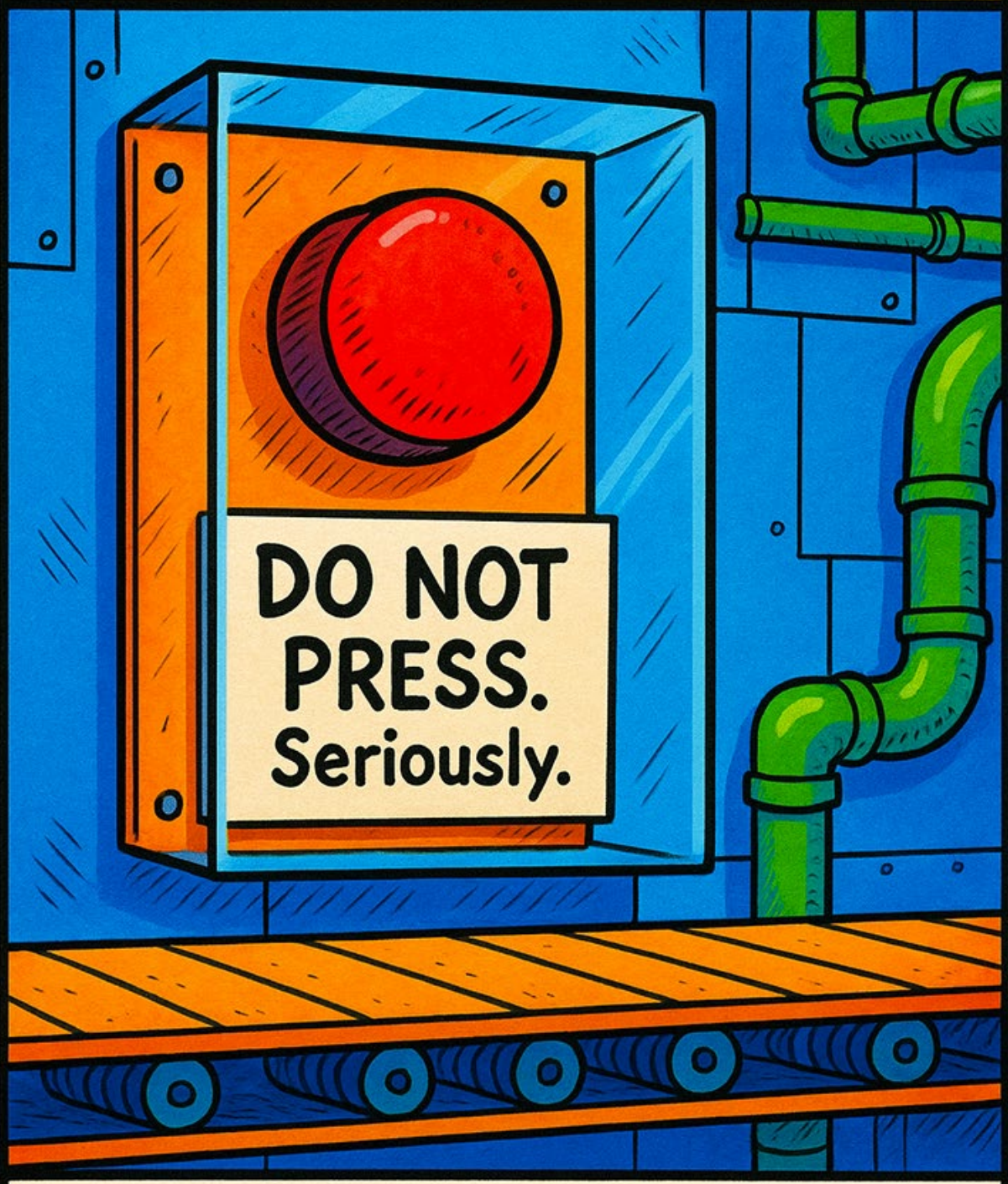
Reliable

EXCAVATING THE SPARE PARTS ROOM



REMARKABLE! THIS PART DATES BACK TO THE CLINTON ADMINISTRATION

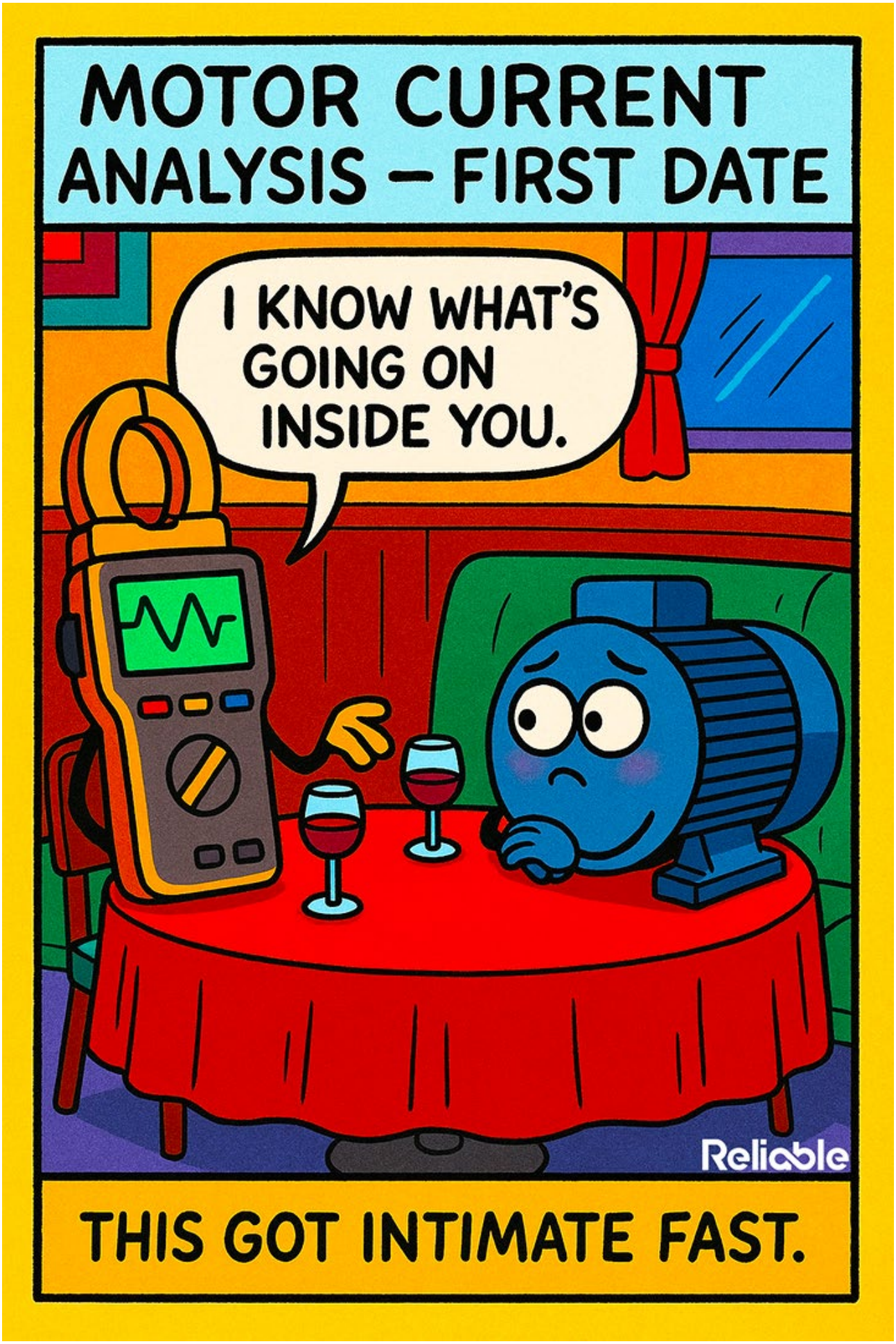
THE MYSTERY BUTTON

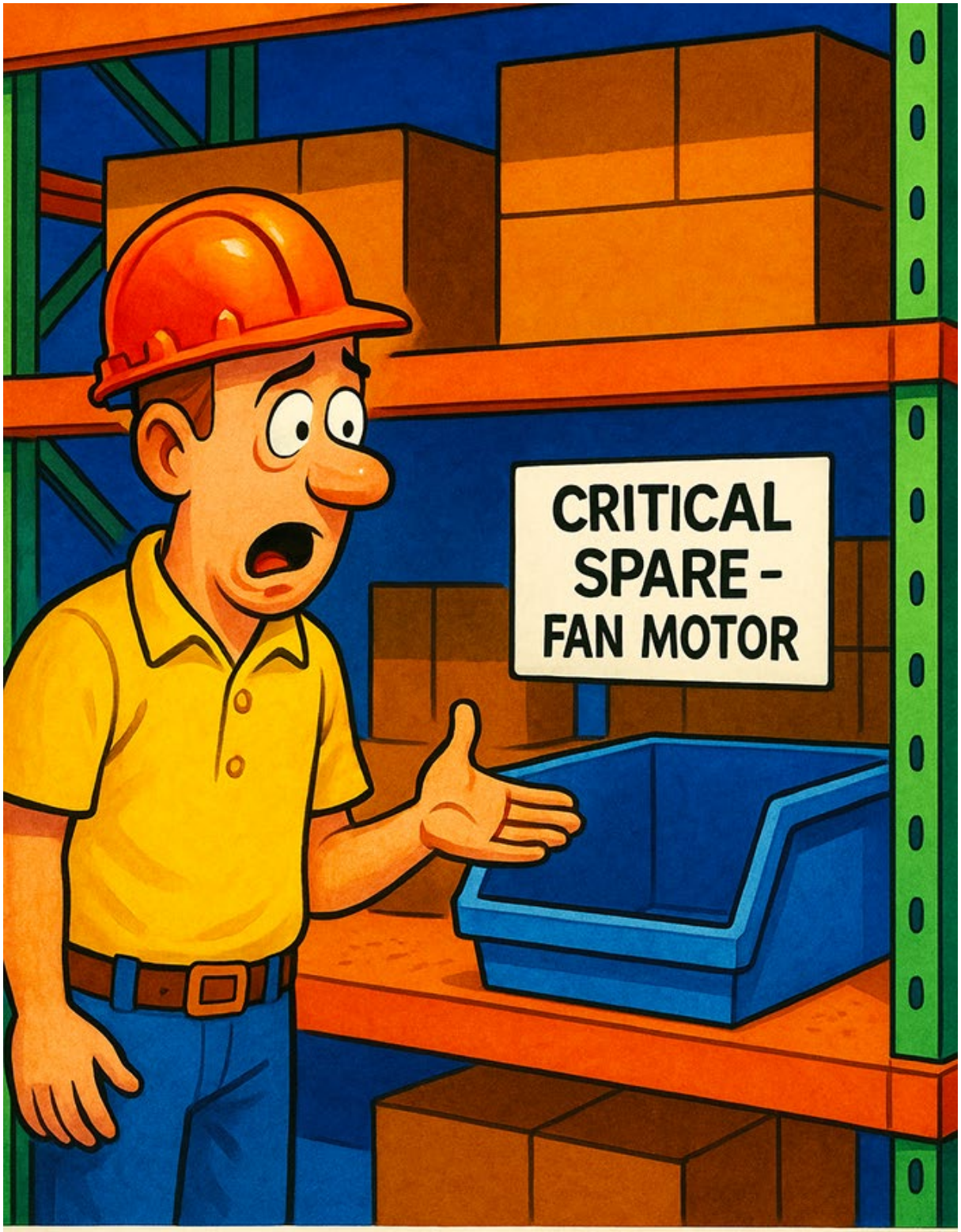


NO ONE KNOWS WHAT IT DOES...
BUT IT'S BEEN PRESSED.

Reliable


THEY LOVE ME SO MUCH,
THEY FILLED ME
TO THE BEARINGS' BRIM.
Reliable


MOTOR CURRENT ANALYSIS – FIRST DATE
I KNOW WHAT'S GOING ON INSIDE YOU.
Reliable
THIS GOT INTIMATE FAST.



"We had it last inventory cycle.."

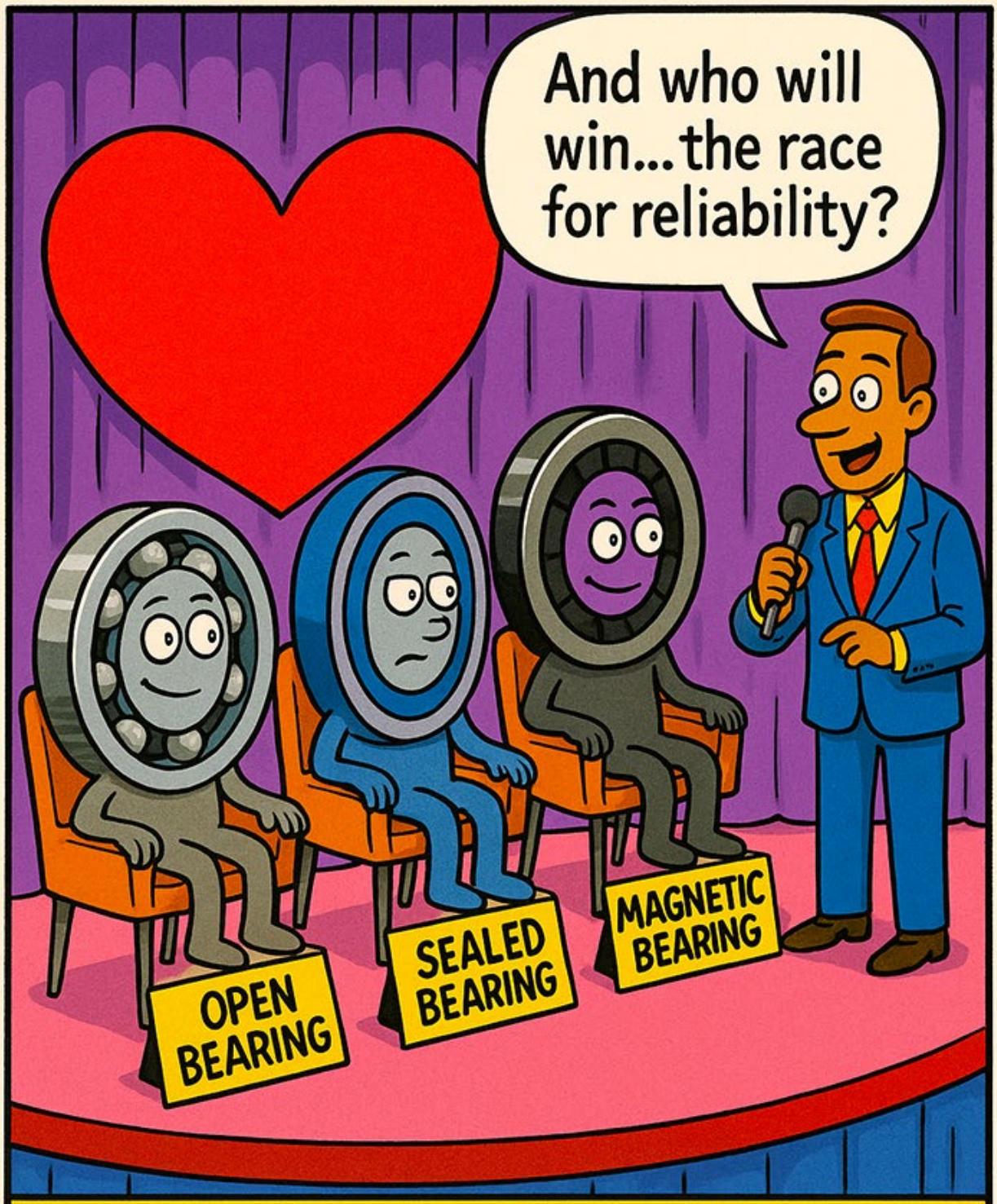
Reliable

THE BEARING'S DIARY



EMOTIONS? I'VE GOT WEAR PATTERNS.

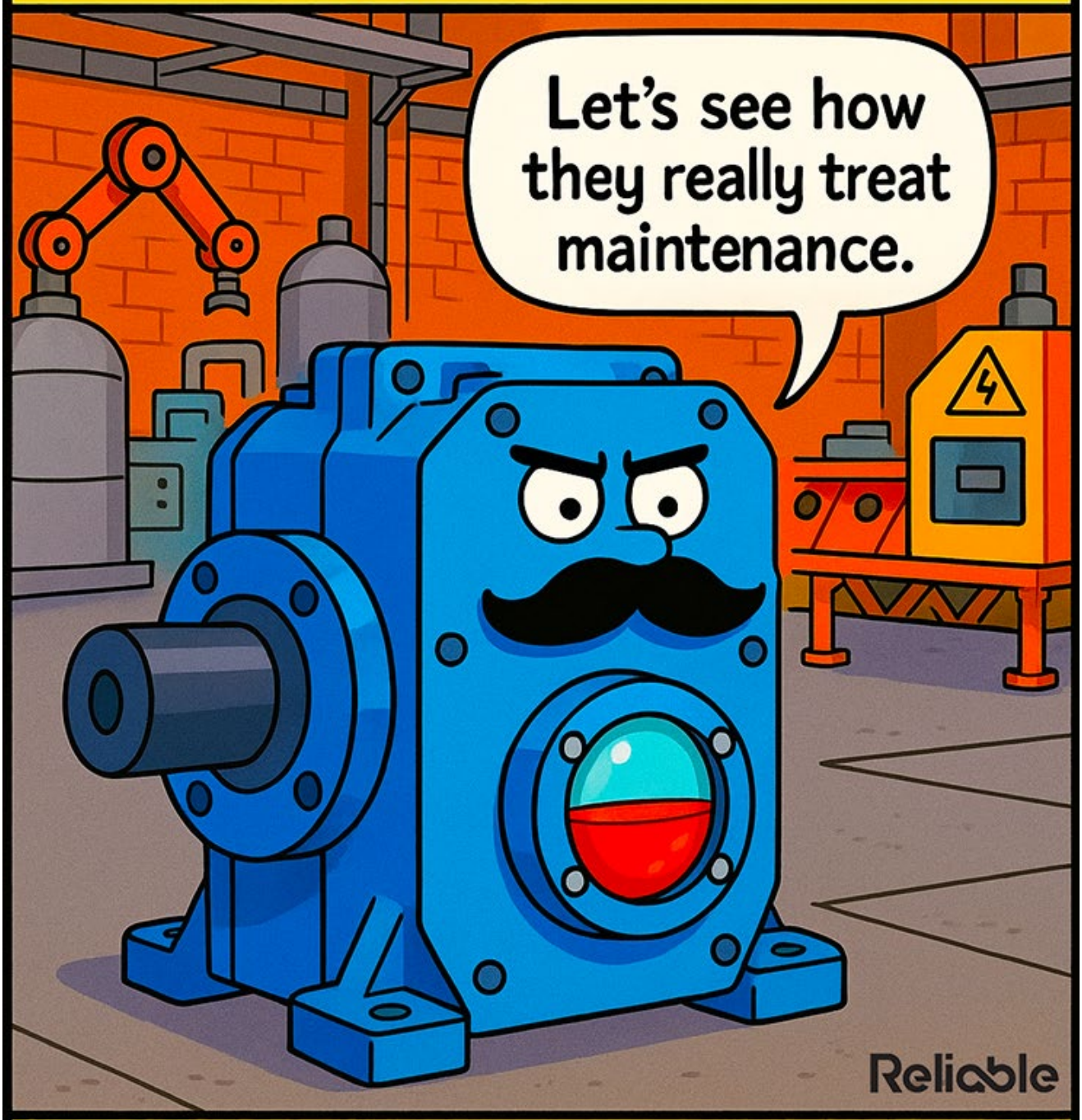
BEARING BACHELOR



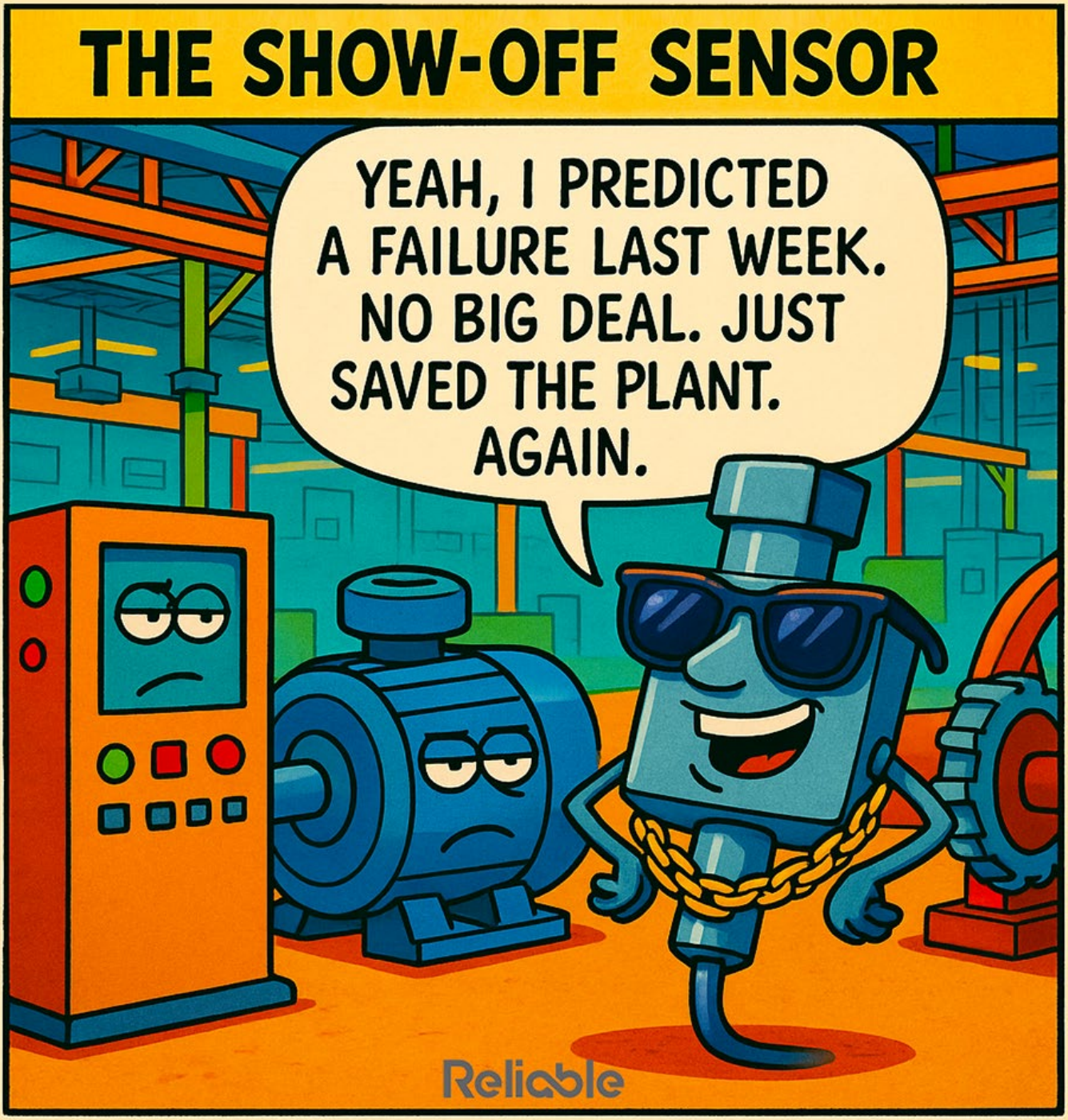
Bachelor #2 doesn't like commitment—or grease.

Reliable

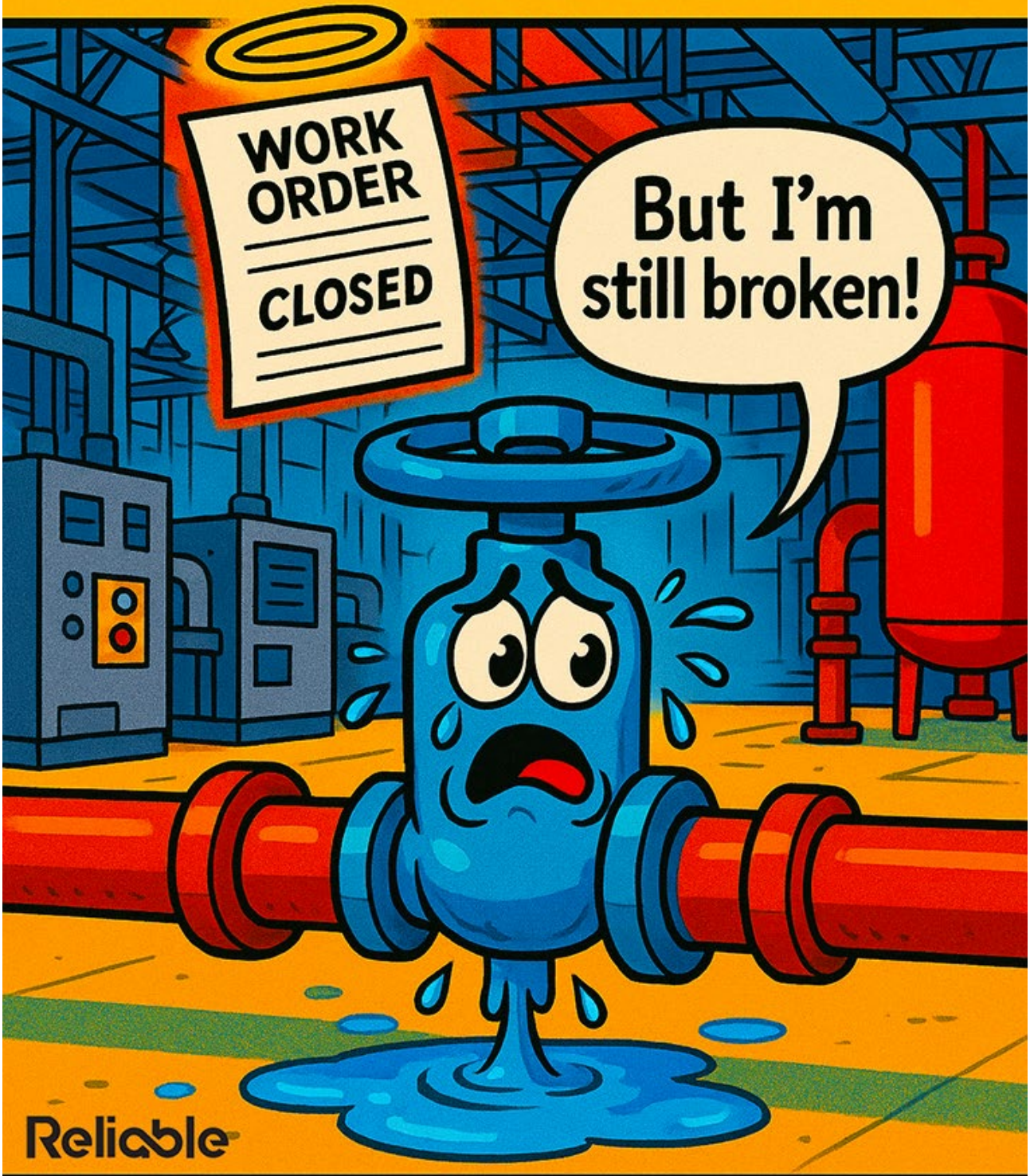
UNDERCOVER BOSS: GEARBOX EDITION



Turns out nobody reads the oil sight glass.


THE SHOW-OFF SENSOR
YEAH, I PREDICTED A FAILURE LAST WEEK. NO BIG DEAL. JUST SAVED THE PLANT. AGAIN.
Reliable

WORK ORDER CLOSED.
REALITY SAYS OTHERWISE.



Don't let bad info fake a win.