CLERAL onboard scales & mechatronics for trucks

SIM

SUSPENSION INTELLIGENT MANAGEMENT

It's a balancing act!

SIM K4 control is the only programable system on the market that dynamically equalizes **or distributes** the load on any suspension. The SIM can manage up to three axles independently.

A X L E W E I G H I N G M A D E E A S Y

OPTIMAL LOAD CONTROL ON AUXILIARY LIFT AXLES

SIM control is the perfect tool to convert an ordinary auxiliary suspension into a high performant suspension on straight body trucks.

CLERAL, the undisputed leader in the automated management of auxiliary lift axles, presents the K4 generation KILOAD SIM.

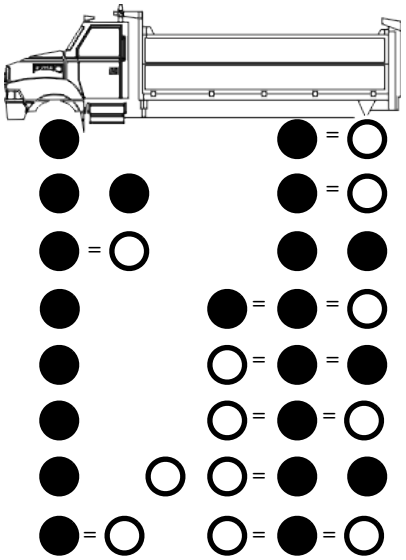
CLERAL's SIM is an onboard weighing system paired with an integrated powerful computerized load distribution function. It measures the weight applied on each axle and then distributes it between them by controlling the air pressure of the auxiliary axle suspension. All this is done in real time, even while driving. Simple logic suggests that driving safety and braking can only be improved.

The auxiliary lift axle is fully managed by the SIM control which will raise or lower the pressure of the axle in accordance to the legal load limits. The operator does not need to worry about handling the axle to avoid axle overloads.

The SIM control is fitted with a sensor which allows the axle to be lifted automatically when the vehicle is backing up.

Imagine, in addition to optimizing safety with the SIM system, K4 will display the axle and total weights of your vehicle.

The SIM is installed on any auxiliary axle used in tandem or tridem traction or steering and on any type of mechanical or pneumatic suspension.



Auxiliary axle
= Load distribution
Primary axle

ADVANTAGES:

- ✓ Load distribution
- ✓ Weight display
- ✓ Automation of the axle
- ✓ Improve road handling
- ✓ More efficient braking
- ✓- Reduce tire wear
- ✓- Maneuverability in difficult terrain
- ✓- Load optimization
- ✓- No manual intervention
- ✓- Stress reduction
- ✓ Control up 3 auxiliary ailes

SPIF Compliant
SIM meets Ontario's SPIF regulation 413/05.