

GINAF

MINING

HD-Series



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Highest Productivity



Lowest Operating Costs



Highest Safety Standards



Low Environmental Impact

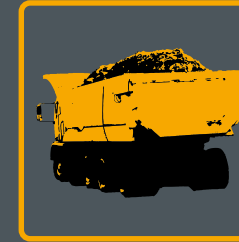


GINAF MINING

Your dedicated partner in World Wide mining activities!

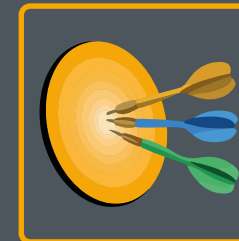
With the use of GINAF's equipment you can reduce your transportation cost in a safe and productive manner. Extreme high payloads, combined with compact fuel saving drivelines, easy maintenance access and smart operator assistances all contribute to the best operating performance.

As manufacturer of heavy duty construction machinery, having 70 years extensive experience and knowledge, GINAF has developed and applied groundbreaking technology. Specialized hydraulic suspension, multi-axle steering, heavy chassis structures and a many safety features and protocols. This gives GINAF equipment the power to make operations be more productive, efficient and safe!



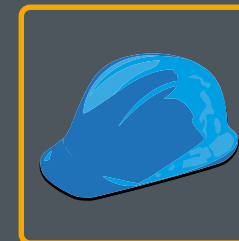
PRODUCTIVITY

- Highest Payload
- Maximum Traction
- High Manoeuvrability
- High Retarder Performance
- Powerfull Compact Engines



EFFICIENCY

- Low Fuel Consumption Per Ton
- Low Body Weight
- standardized Parts
- High Serviceability
- Durable Lifetime



SAFETY

- High Visability For Operator
- Vehicle Speed Control
- One Button Tipping Procedure
- Overload Speed Limitation
- Emergency Operating Systems



SUSTAINABILITY

- Durable Parts
- State Of The Art Emission Standards
- Compact Eniges



HD 5395 TS

Axle Driveline Configuration	10 x 6
Nominal G.V.W.	95 tonne
Target Payload	70 tonne
Speed Loaded	40 km/h
Speed Unloaded	60 km/h
Body Type	Variable
Engine	Cummins
Engine spec	15l 610hp
Emission level	TIER 3 - 4i - 4f
Gearbox	Automatic
Gearbox Software	GINAF Mining

HD 5380 T

Axle Driveline Configuration	10 x 6
Nominal G.V.W.	80 tonne
Target Payload	60 tonne
Speed Loaded	40 km/h
Speed Unloaded	60 km/h
Body Type	Variable
Engine	Paccar
Engine spec	12,9l - 460 hp
Emission level	EURO 3 - 4 - 5
Gearbox	Automatic
Gearbox Software	GINAF mining

BODY

Configuring your GINAF equipment with a correct sized tipper body is essential to become the most efficient equipment in your operation. By adapting the size of the body, doors and body shape, the most ideal tipper for each operation is created. Auxiliary bodies can also be implemented.



HD - HPVS

Heavy Duty – Hydraulic Pneumatic Vehicle Suspension allows your GINAF equipment to operate on all road surface conditions and maintain traction. It is beneficial in several ways by allowing full axle load compensation, active roll stabilization and automatic vehicle height control. The addition of lateral leveling before tipping will give you a huge advantage with regard to operational safety!



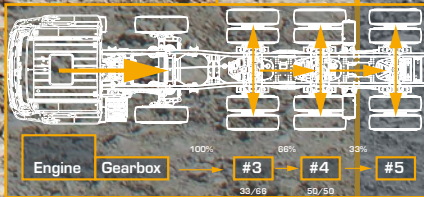
HD - EVS

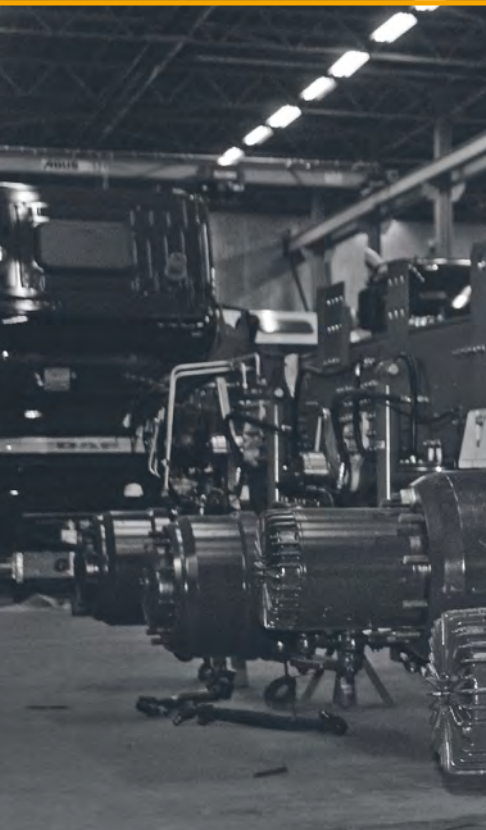
Heavy Duty – Electrical Vehicle Steering is an independent steering system, which hydraulically steers the last driven axle. The integrated safety locking makes sure the operator will remain in control in every situation. HD - EVS gives a high level of maneuverability to your GINAF equipment without losing the strength of a rigid machine.



TRIDEM

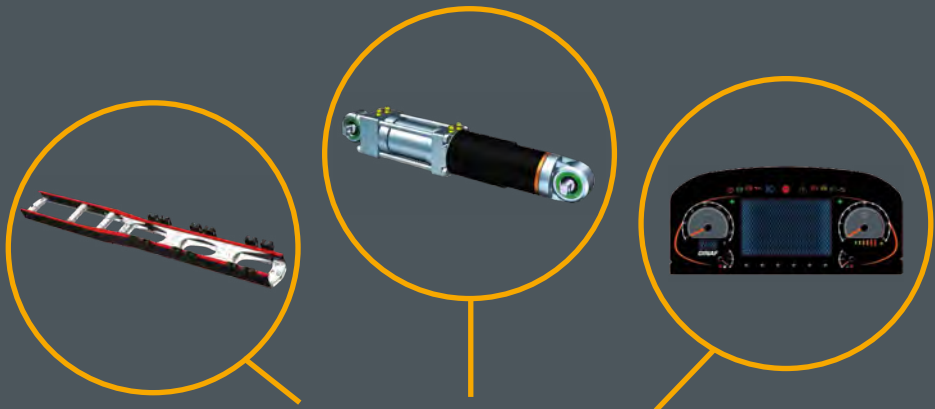
A highly effective way to give your equipment the traction which is required in any situation. GINAF uses unique triple driven rear axle configurations to create the best traction for uphill climbs, but also for downhill retarder operations. With this configuration, your GINAF can withstand almost every weather and road surface condition!



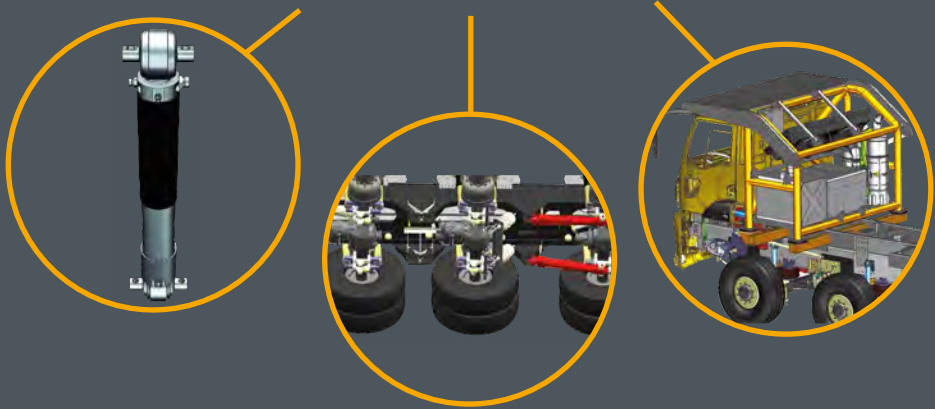


GINAF SAFETY FEATURES

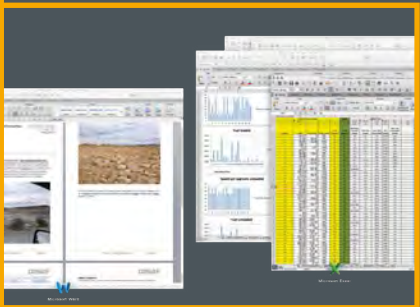
Emergency stop	In the cabin and front bumper; Procedure: Engine cut off and apply parkingbrake
Overload vehicle speed	At more than 20% overload, vehicle speed max 3km/h
Load indications	Load displays outside, at both sides mentioning payload Load indication alarm lights outside, sides and rear, to indicate loader.
BSC	Blind Spot Control: Wide angle camera system, rear view and right side Proximity sensors, at the rear
TPMS	Tyre Pressure Monitoring System, for each wheel individually
Tipping safety	Automatic lateral leveling before tipping Vehicle speed max. 3km/h if the body is not in the lowered position
Speed limiter loaded	40 km/h
Speed limiter unloaded	60 km/h (Programmable)
DHCC	Down Hill Cruise Control, >10 km/h By use of Engine brake and ZF-Intarder
Hill Start Aid	Yes
Emergency brake	Parking brake and intact circuits of service brake
Service brake	Dual/triple circuit full air brake system. Drum brakes front and rear. Twin cylinder air compressor with heated air dryer. Automatic slack adjusters.
EBS	Yes
ABS	Yes
HD – HPVS	Heavy Duty - Hydro Pneumatic Vehicle Suspension, suspension and compensation using hydraulic cylinders and nitrogen accumulators, - Automatic level control - Roll stabilisation during driving - Lateral levelling control - Tipper stabiliser
HD – EVS	Heavy Duty - Electronic Vehicle Steering, rigid rear axle steering (axle #5), speed dependant, dual circuit, including safety locking
AS - Tronic	AS-Tronic gearbox, automated shift include manual modus
TCS/ASR	Traction Control System / Anti Slip Regulation - By use of EBS brake system - No engine power reduction
Weight for traction loaded	Almost 70% of total mass



100% GINAF DESIGN
DEDICATED TO MINING



FULL ON-SIDE
SUPPORT



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Part of the CHTC holding

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Version 1.0