WEICHAI | LOVOL



Engine Model:
WEICHAI LOVOL
WP4.1G100E311/
WP4.1G100E441

Rated Power:
74kW/2200rpm
71.9kW/2200rpm

FLB468-II

SIDE-SHIFT BACKHOE LOADER
Greater Digging Flexibility

EU STAGE III COMPLIANT ENGINE
Reduced Emissions

LOVOL HEAVY INDUSTRY GROUP CO.,LTD.
Address: No.75, Huanghe East Road, Huangdao District, Qingdao City, Shandong Province, China.
Website: https://en.wlovol.com/
Technical specifications and designs are subject to change without notice and additional equipment may be installed on the supplied machines
As manufacturer, LOVOL has right to constantly upgrade and improve our products without informing to customers.
The pictures in illustrators are for reference only, the detailed specifications are subject to real products.

Product Specification

FLB468-II

Overall machine parameters

Rated Load, kg	2000
Operation Weight, kg	8760 / 8970 (Telescopic arm)
Traction Force, kN	80
Height to Top of Cab (C), mm	2700
Wheelbase (D), mm	2170
Overall Length (E), mm	5810
Overall Height (F), mm	3500
Overall Width, mm	2400
Stabilizer Width, mm	2200
Electric system, V	12
Battery, V/Ah	12 / 100
Alternator, V/A	12 / 120

Engine

Engine		WEICHAI LOVOL
Model	WP4.1G100E311	WP4.1G100E441
Engine Type	Diesel common rail engine, 4 stroke, direct injection, water cooled, turbocharger	
Emission Standard	EU stage IIIA	EU stage IIIB
Number of Cylinder	4	4
Displacement, L	4.088	4.087
Rated Power (ECE R120), kW [metric hp]	74 [100]	71.9 [97]
Rated Speed, rpm	2200	2200
Engine Torque, N·m	395	420
Torque Speed, rpm	1400-1600	1600
Air Filter		Dry air filter

- Auto idle system and auto stop system (optional configuration)
- Intercooler (optional configuration)
- Engine oil cooler (optional configuration)
- Electrical fuel supply (optional configuration)
- Automatic belt tensioner (optional configuration)

Transmission

Type		Four wheel drive
Front Axle Oscillation Angle, degree		22
Transmission		Torque converter
Gear Shift	Power shift, synchro shuttle	Power shuttle transmission
Number of Gears		4 forward, 4 reverse

- The transmission adopts WEICHAI LOVOL, it is durable and reliable.
- Four wheel drive system, available with either four wheel drive (4WD) or two wheel drive (2WD).
- The differential lock operated on rear axle (optional configuration)

Braking

Service Brake	Wet type-hydraulic power braking
Parking Brake	Mechanical caliper disc, hand brake

Steering

Type	Hydrostatic power steering, front wheels steering system
Outside Front Wheels Turning Circle (A), m	7.50 (with braked) / 8.86 (without braked)
Outside Loader Bucket Turning Circle (B), m	10.40 (with braked) / 11.00 (without braked)

Tire

Front Industry Tire	14-17.5	12.5×18
Rear Industry Tire	19.5-24	16.9×28
Max. Travel Speed, km/h	37	40

Hydraulic

Hydraulic System	Closed center
Hydrulic Pump	Variable flow axial piston pump
Hydraulic Flow@2200rpm,L/min	167
Hydraulic Pressure, Bar	250

- Loader, excavator and branch leg (H-type) controlled by hydraulic system
- Hydraulic oil cooler (optional configuration)
- Hydraulic ride control for smoother, more stable operation (SRS: smooth ride system).

Loader & backhoe device

Loading Bucket Type	General purpose bucket	Multi pupose bucket (4 in 1)	Multi pupose bucket (6 in 1)
Loading Bucket Capacity (SAE Heaped), m³	1.00	1.00	1.00
Loading Bucket Width, mm	2200	2300	2350
Bucket Breakout Force, kN			51
Arm Breakout Force, kN			38
Dump Angle, degree			45
Rollback Angle at Ground Level, degree			45
Maximum Lifting Position Maximum Bucket Angle, degree			55
Digging Bucket Type		Standard profile bucket	
Digging Bucket Capacity (SAE Heaped), m³	0.18		0.20
Digging Bucket Width, mm	610		700
Bucket Digging Force, kN			40
Arm Digging Force, kN			34
Swing Arc, degree			180
Bucket Ratation Angle, degree			180
Side Shift, mm			1010

Loader & backhoe perfomance

Loader Performance

Loader Lifting Height (G), mm	4100
Hinge Pin Height (H), mm	3400
Dumping Height (I), mm	2600
Fully Dump Reach at Full Height (J), mm	780
Loader Digging Depth (K), mm	70

Backhoe Performance

Digging Arm Type	Standard arm	Telescopic arm	
		Ret.	Ext.
Max. Digging Radius (L), mm	5300	5350	6400
Max. Loading Height (M), mm	3500	3350	4250
Max. Digging Height (N), mm	5100	5000	5900
Max. Digging Depth (O), mm	4000	4020	4600

Oil

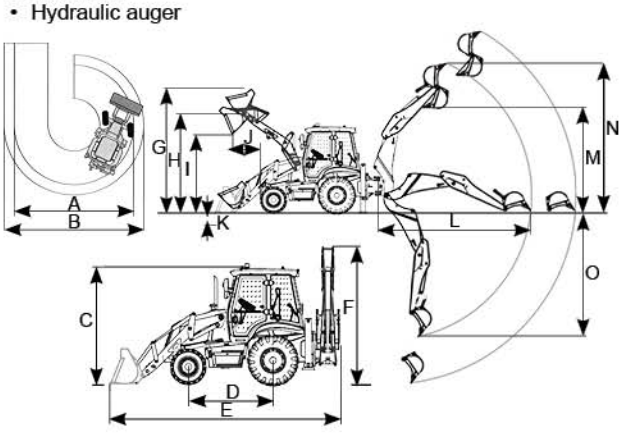
Fuel Tank Capacity, L	130
Hydraulic Oil Capacity, L	130

Standard equipment

- Safety bar, horn, backup alarm
- Rops canopy steel cab - compliant ROPS ISO3471 / FOPS ISO3449, safe work, air condition, front & rear wipers
- Adjustable suspension seat with safety belt, suitable for various working positions
- Front & side instrument panel (hour meter, voltage charger, water-cooling temperature, engine oil pressure, fuel level, etc.), front & rear working light

Optional equipment

- GPS system
- Quick hitch
- Hydraulic breaker
- Flail head
- Hydraulic auger



Product Specification Of High Roof Type

FLB468-II

Overall machine parameters

Rated Load, kg	2000
Operation Weight, kg	8760 / 8970 (Telescopic arm)
Traction Force, kN	80
Height to Top of Cab (C), mm	2900
Wheelbase (D), mm	2170
Overall Length (E), mm	5810
Overall Height (F), mm	3600
Overall Width, mm	2400
Stabilizer Width, mm	2200
Electric system, V	12
Battery, V/Ah	12 / 100
Alternator, V/A	12 / 120

Engine

Engine		WEICHAI LOVOL
Model	WP4.1G100E311	WP4.1G100E441
Engine Type	Diesel common rail engine, 4 stroke, direct injection, water cooled, turbocharger	
Emission Standard	EU stage IIIA	EU stage IIIB
Number of Cylinder	4	4
Displacement, L	4.088	4.087
Rated Power (ECE R120), kW [metric hp]	74 [100]	71.9 [97]
Rated Speed, rpm	2200	2200
Engine Torque, N·m	395	420
Torque Speed, rpm	1400-1600	1600
Air Filter		Dry air filter

- Auto idle system and auto stop system (optional configuration)
- Intercooler (optional configuration)
- Engine oil cooler (optional configuration)
- Electrical fuel supply (optional configuration)
- Automatic belt tensioner (optional configuration)

Transmission

Type		Four wheel drive
Front Axle Oscillation Angle, degree		22
Transmission		Torque converter
Gear Shift	Power shift, synchro shuttle	Power shuttle transmission
Number of Gears		4 forward, 4 reverse

- The transmission adopts WEICHAI LOVOL, it is durable and reliable.
- Four wheel drive system, available with either four wheel drive (4WD) or two wheel drive (2WD).
- The differential lock operated on rear axle (optional configuration)

Braking

Service Brake	Wet type-hydraulic power braking
Parking Brake	Mechanical caliper disc, hand brake

Steering

Type	Hydrostatic power steering, front wheels steering system
Outside Front Wheels Turning Circle (A), m	7.50 (with braked) / 8.86 (without braked)
Outside Loader Bucket Turning Circle (B), m	10.40 (with braked) / 11.00 (without braked)

Tire

Front Industry Tire	14-17.5	12.5×18
Rear Industry Tire	19.5-24	16.9×28
Max. Travel Speed, km/h	37	40

Hydraulic

Hydraulic System	Closed center
Hydrulic Pump	Variable flow axial piston pump
Hydraulic Flow, L/min	132
Hydraulic Pressure, Bar	250

- Loader, excavator and branch leg (H-type) controlled by hydraulic system
- Hydraulic oil cooler (optional configuration)
- Hydraulic ride control for smoother, more stable operation (SRS: smooth ride system).

Loader & backhoe device

Loading Bucket Type	General purpose bucket	Multi pupose bucket (4 in 1)	Multi pupose bucket (6 in 1)
Loading Bucket Capacity (SAE Heaped), m³	1.00	1.00	1.00
Loading Bucket Width, mm	2200	2300	2350
Bucket Breakout Force, kN			51
Arm Breakout Force, kN			38
Dump Angle, degree			45
Rollback Angle at Ground Level, degree			45
Maximum Lifting Position Maximum Bucket Angle, degree			55
Digging Bucket Type			Standard profile bucket
Digging Bucket Capacity (SAE Heaped), m³		0.18	0.20
Digging Bucket Width, mm		610	700
Bucket Digging Force, kN			40
Arm Digging Force, kN			34
Swing Arc, degree			180
Bucket Ratation Angle, degree			200
Side Shift, mm			1010

Loader & backhoe perfomance

Loader Performance

Loader Lifting Height (G), mm	4300
Hinge Pin Height (H), mm	3600
Dumping Height (I), mm	2900
Fully Dump Reach at Full Height (J), mm	800
Loader Digging Depth (K), mm	70

Backhoe Performance

Digging Arm Type	Standard arm	Telescopic arm	
		Ret.	Ext.
Max. Digging Radius (L), mm	5300	5350	6400
Max. Loading Height (M), mm	3500	3350	4250
Max. Digging Height (N), mm	5100	5000	5900
Max. Digging Depth (O), mm	4000	4020	4600

Oil

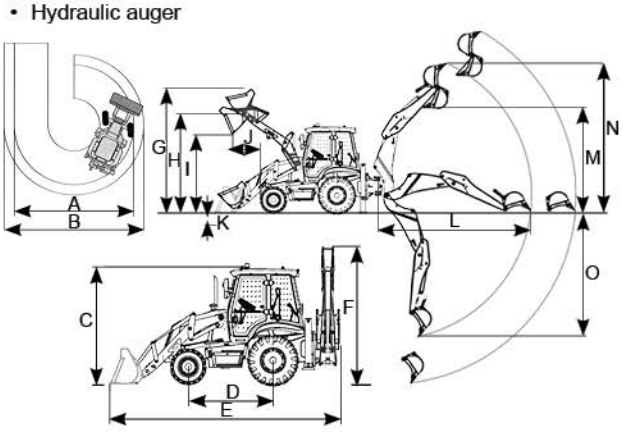
Fuel Tank Capacity, L	160
Hydraulic Oil Capacity, L	130

Standard equipment

- Safety bar, horn, backup alarm
- Rops canopy steel cab - compliant ROPS ISO3471 / FOPS ISO3449, safe work, air condition, front & rear wipers
- Adjustable suspension seat with safety belt, suitable for various working positions
- Front & side instrument panel (hour meter, voltage charger, water-cooling temperature, engine oil pressure, fuel level, etc.), front & rear working light

Optional equipment

- GPS system
- Quick hitch
- Hydraulic breaker
- Flail head
- Hydraulic auger



Product Specification Of Heavy Boom Type

FLB468-II

Overall machine parameters

Rated Load, kg	3480
Operation Weight, kg	8760 / 8970 (Telescopic arm)
Traction Force, kN	80
Height to Top of Cab (C), mm	2850
Wheelbase (D), mm	2170
Overall Length (E), mm	5810
Overall Height (F), mm	3600
Overall Width, mm	2400
Stabilizer Width, mm	2200
Electric system, V	12
Battery, V/Ah	12 / 100
Alternator, V/A	12 / 120

Engine

Engine		WEICHAI LOVOL
Model	WP4.1G100E311	WP4.1G100E441
Engine Type	Diesel common rail engine, 4 stroke, direct injection, water cooled, turbocharger	
Emission Standard	EU stage IIIA	EU stage IIIB
Number of Cylinder	4	4
Displacement, L	4.088	4.087
Rated Power (ECE R120), kW [metric hp]	74 [100]	71.9 [97]
Rated Speed, rpm	2200	2200
Engine Torque, N·m	395	420
Torque Speed, rpm	1400-1600	1600
Air Filter		Dry air filter

- Auto idle system and auto stop system (optional configuration)
- Intercooler (optional configuration)
- Engine oil cooler (optional configuration)
- Electrical fuel supply (optional configuration)
- Automatic belt tensioner (optional configuration)

Transmission

Type		Four wheel drive
Front Axle Oscillation Angle, degree		22
Transmission		Torque converter
Gear Shift	Power shift, synchro shuttle	Power shuttle transmission
Number of Gears		4 forward, 4 reverse

- The transmission adopts WEICHAI LOVOL, it is durable and reliable.
- Four wheel drive system, available with either four wheel drive (4WD) or two wheel drive (2WD).
- The differential lock operated on rear axle (optional configuration)

Braking

Service Brake	Wet type-hydraulic power braking
Parking Brake	Mechanical caliper disc, hand brake

Steering

Type	Hydrostatic power steering, front wheels steering system
Outside Front Wheels Turning Circle (A), m	7.50 (with braked) / 8.86 (without braked)
Outside Loader Bucket Turning Circle (B), m	10.40 (with braked) / 11.00 (without braked)

Tire

Front Industry Tire	14-17.5	12.5×18
Rear Industry Tire	19.5-24	16.9×28
Max. Travel Speed, km/h	37	40

Hydraulic

Hydraulic System	Closed center
Hydrulic Pump	Variable flow axial piston pump
Hydraulic Flow@2200rpm,L/min	167
Hydraulic Pressure, Bar	250

- Loader, excavator and branch leg (H-type) controlled by hydraulic system
- Hydraulic oil cooler (optional configuration)
- Hydraulic ride control for smoother, more stable operation (SRS: smooth ride system).

Loader & backhoe device

Loading Bucket Type	General purpose bucket	Multi pupose bucket (4 in 1)	Multi pupose bucket (6 in 1)
Loading Bucket Capacity (SAE Heaped), m³	1.00	1.00	1.00
Loading Bucket Width, mm	2200	2300	2350
Bucket Breakout Force, kN			61
Arm Breakout Force, kN			58
Dump Angle, degree			45
Rollback Angle at Ground Level, degree			45
Maximum Lifting Position Maximum Bucket Angle, degree			55
Digging Bucket Type		Standard profile bucket	
Digging Bucket Capacity (SAE Heaped), m³		0.18	0.20
Digging Bucket Width, mm		610	700
Bucket Digging Force, kN			58
Arm Digging Force, kN			55
Swing Arc, degree			180
Bucket Ratation Angle, degree			200
Side Shift, mm			1010

Loader & backhoe perfomance

Loader Performance

Loader Lifting Height (G), mm	4300
Hinge Pin Height (H), mm	3500
Dumping Height (I), mm	2800
Fully Dump Reach at Full Height (J), mm	800
Loader Digging Depth (K), mm	70

Backhoe Performance

Digging Arm Type	Standard arm	Telescopic arm	
		Ret.	Ext.
Max. Digging Radius (L), mm	5300	5350	6400
Max. Loading Height (M), mm	3500	3350	4250
Max. Digging Height (N), mm	5100	5000	5900
Max. Digging Depth (O), mm	4000	4020	4600

Oil

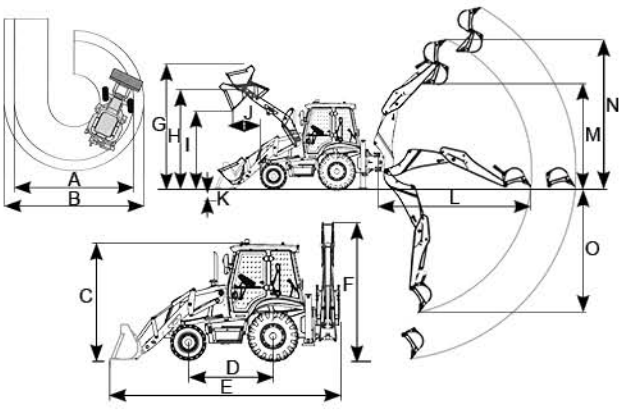
Fuel Tank Capacity, L	130
Hydraulic Oil Capacity, L	130

Standard equipment

- Safety bar, horn, backup alarm
- Rops canopy steel cab - compliant ROPS ISO3471 / FOPS ISO3449, safe work, air condition, front & rear wipers
- Adjustable suspension seat with safety belt, suitable for various working positions
- Front & side instrument panel (hour meter, voltage charger, water-cooling temperature, engine oil pressure, fuel level, etc.), front & rear working light

Optional equipment

- GPS system
- Quick hitch
- Hydraulic breaker
- Flail head
- Hydraulic auger



Product Specification Of Auto Power Shuttle Transmission Type FLB468-II

Overall machine parameters

Rated Load, kg	2000
Operation Weight, kg	8760 / 8970 (Telescopic arm)
Traction Force, kN	80
Height to Top of Cab (C), mm	2700
Wheelbase (D), mm	2170
Overall Length (E), mm	5810
Overall Height (F), mm	3500
Overall Width, mm	2400
Stabilizer Width, mm	2200
Electric system, V	12
Battery, V/Ah	12 / 100
Alternator, V/A	12 / 120

Engine

Engine		WEICHAI LOVOL
Model	WP4.1G100E311	WP4.1G100E441
Engine Type	Diesel common rail engine, 4 stroke, direct injection, water cooled, turbocharger	
Emission Standard	EU stage IIIA	EU stage IIIB
Number of Cylinder	4	4
Displacement, L	4.088	4.087
Rated Power (ECE R120), kW [metric hp]	74 [100]	71.9 [97]
Rated Speed, rpm	2200	2200
Engine Torque, N·m	395	420
Torque Speed, rpm	1400-1600	1600
Air Filter		Dry air filter

- Auto idle system and auto stop system (optional configuration)
- Intercooler (optional configuration)
- Engine oil cooler (optional configuration)
- Electrical fuel supply (optional configuration)
- Automatic belt tensioner (optional configuration)

Transmission

Type	Four wheel drive
Front Axle Oscillation Angle, degree	22
Transmission	Torque converter
Gear Shift	Auto power shuttle transmission
Number of Gears	4 forward, 4 reverse

- The transmission adopts WEICHAI LOVOL, it is durable and reliable.
- Four wheel drive system, available with either four wheel drive (4WD) or two wheel drive (2WD).
- The differential lock operated on rear axle (optional configuration)

Braking

Service Brake	Wet type-hydraulic power braking
Parking Brake	Mechanical caliper disc, hand brake

Steering

Type	Hydrostatic power steering, front wheels steering system
Outside Front Wheels Turning Circle (A), m	7.50 (with braked) / 8.86 (without braked)
Outside Loader Bucket Turning Circle (B), m	10.40 (with braked) / 11.00 (without braked)

Tire

Front Industry Tire	14-17.5	12.5×18
Rear Industry Tire	19.5-24	16.9×28
Max. Travel Speed, km/h	37	40

Hydraulic

Hydraulic System	Closed center
Hydrulic Pump	Variable flow axial piston pump
Hydraulic Flow@2200rpm,L/min	167
Hydraulic Pressure, Bar	250

- Loader, excavator and branch leg (H-type) controlled by hydraulic system
- Hydraulic oil cooler (optional configuration)
- Hydraulic ride control for smoother, more stable operation (SRS: smooth ride system).

Loader & backhoe device

Loading Bucket Type	General purpose bucket	Multi pupose bucket (4 in 1)	Multi pupose bucket (6 in 1)
Loading Bucket Capacity (SAE Heaped), m³	1.00	1.00	1.00
Loading Bucket Width, mm	2200	2300	2350
Bucket Breakout Force, kN			51
Arm Breakout Force, kN			38
Dump Angle, degree			45
Rollback Angle at Ground Level, degree			45
Maximum Lifting Position Maximum Bucket Angle, degree			55
Digging Bucket Type			Standard profile bucket
Digging Bucket Capacity (SAE Heaped), m³		0.18	0.20
Digging Bucket Width, mm		610	700
Bucket Digging Force, kN			40
Arm Digging Force, kN			34
Swing Arc, degree			180
Bucket Ratation Angle, degree			180
Side Shift, mm			1010

Loader & backhoe perfomance

Loader Performance

Loader Lifting Height (G), mm	4100
Hinge Pin Height (H), mm	3400
Dumping Height (I), mm	2600
Fully Dump Reach at Full Height (J), mm	780
Loader Digging Depth (K), mm	70

Backhoe Performance

Digging Arm Type	Standard arm	Telescopic arm	
		Ret.	Ext.
Max. Digging Radius (L), mm	5700	5350	6400
Max. Loading Height (M), mm	3900	3350	4250
Max. Digging Height (N), mm	5500	5000	5900
Max. Digging Depth (O), mm	4300	4020	4600

Oil

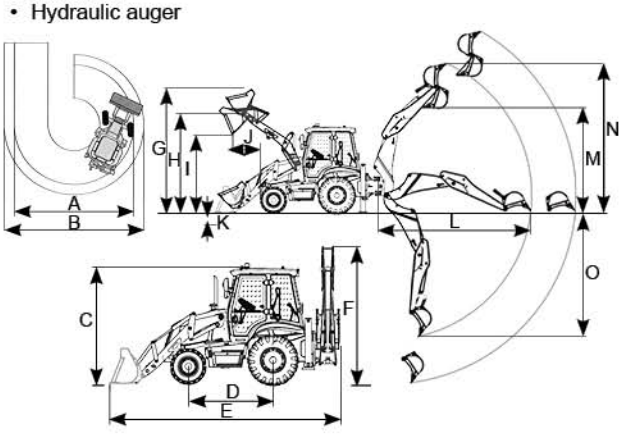
Fuel Tank Capacity, L	130
Hydraulic Oil Capacity, L	130

Standard equipment

- Safety bar, horn, backup alarm
- Rops canopy steel cab - compliant ROPS ISO3471 / FOPS ISO3449, safe work, air condition, front & rear wipers
- Adjustable suspension seat with safety belt, suitable for various working positions
- Front & side instrument panel (hour meter, voltage charger, water-cooling temperature, engine oil pressure, fuel level, etc.), front & rear working light

Optional equipment

- GPS system
- Quick hitch
- Hydraulic breaker
- Flail head
- Hydraulic auger



Product Specification Of Short Turning Type

FLB468-II

Overall machine parameters

Rated Load, kg	3480
Operation Weight, kg	8760 / 8970 (Telescopic arm)
Traction Force, kN	80
Height to Top of Cab (C), mm	2700
Wheelbase (D), mm	2170
Overall Length (E), mm	5810
Overall Height (F), mm	3500
Overall Width, mm	2400
Stabilizer Width, mm	2200
Electric system, V	12
Battery, V/Ah	12 / 100
Alternator, V/A	12 / 120

Engine

Engine		WEICHAI LOVOL
Model	WP4.1G100E311	WP4.1G100E441
Engine Type	Diesel common rail engine, 4 stroke, direct injection, water cooled, turbocharger	
Emission Standard	EU stage IIIA	EU stage IIIB
Number of Cylinder	4	4
Displacement, L	4.088	4.087
Rated Power (ECE R120), kW [metric hp]	74 [100]	71.9 [97]
Rated Speed, rpm	2200	2200
Engine Torque, N·m	395	420
Torque Speed, rpm	1400-1600	1600
Air Filter		Dry air filter

- Auto idle system and auto stop system (optional configuration)
- Intercooler (optional configuration)
- Engine oil cooler (optional configuration)
- Electrical fuel supply (optional configuration)
- Automatic belt tensioner (optional configuration)

Transmission

Type		Four wheel drive
Front Axle Oscillation Angle, degree		22
Transmission		Torque converter
Gear Shift	Power shift, synchro shuttle	Power shuttle transmission
Number of Gears		4 forward, 4 reverse

- The transmission adopts WEICHAI LOVOL, it is durable and reliable.
- Four wheel drive system, available with either four wheel drive (4WD) or two wheel drive (2WD).
- The differential lock operated on rear axle (optional configuration)

Braking

Service Brake	Wet type-hydraulic power braking
Parking Brake	Mechanical caliper disc, hand brake

Steering

Type	Hydrostatic power steering, front wheels steering system
Outside Front Wheels Turning Circle (A), m	7.50 (with braked) / 8.86 (without braked)
Outside Loader Bucket Turning Circle (B), m	9.90 (with braked) / 11.10 (without braked)

Tire

Front Industry Tire	14-17.5	12.5×18
Rear Industry Tire	19.5-24	16.9×28
Max. Travel Speed, km/h	37	40

Hydraulic

Hydraulic System	Closed center
Hydrulic Pump	Variable flow axial piston pump
Hydraulic Flow@2200rpm,L/min	167
Hydraulic Pressure, Bar	250

- Loader, excavator and branch leg (H-type) controlled by hydraulic system
- Hydraulic oil cooler (optional configuration)
- Hydraulic ride control for smoother, more stable operation (SRS: smooth ride system).

Loader & backhoe device

Loading Bucket Type	General purpose bucket	Multi pupose bucket (4 in 1)	Multi pupose bucket (6 in 1)
Loading Bucket Capacity (SAE Heaped), m³	0.85	0.85	0.85
Loading Bucket Width, mm	2200	2300	2350
Bucket Breakout Force, kN			51
Arm Breakout Force, kN			38
Dump Angle, degree			45
Rollback Angle at Ground Level, degree			45
Maximum Lifting Position Maximum Bucket Angle, degree			55
Digging Bucket Type			Standard profile bucket
Digging Bucket Capacity (SAE Heaped), m³		0.18	0.20
Digging Bucket Width, mm		610	700
Bucket Digging Force, kN			40
Arm Digging Force, kN			34
Swing Arc, degree			180
Bucket Ratation Angle, degree			180
Side Shift, mm			1010

Loader & backhoe perfomance

Loader Performance

Loader Lifting Height (G), mm	4120
Hinge Pin Height (H), mm	3420
Dumping Height (I), mm	2700
Fully Dump Reach at Full Height (J), mm	750
Loader Digging Depth (K), mm	70

Backhoe Performance

Digging Arm Type	Standard arm	Telescopic arm	
		Ret.	Ext.
Max. Digging Radius (L), mm	5300	5350	6400
Max. Loading Height (M), mm	3500	3350	4250
Max. Digging Height (N), mm	5100	5000	6200
Max. Digging Depth (O), mm	4000	4020	4600

Oil

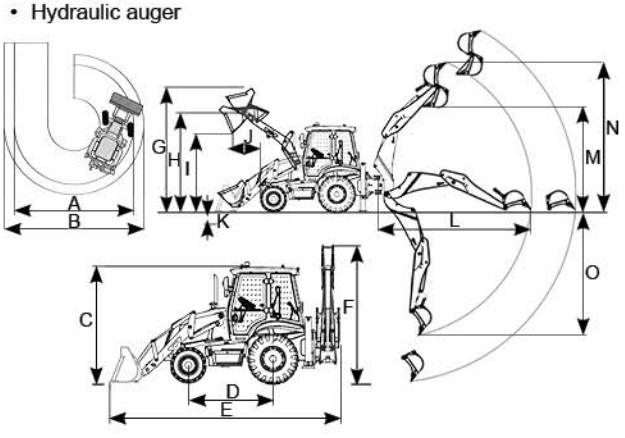
Fuel Tank Capacity, L	130
Hydraulic Oil Capacity, L	130

Standard equipment

- Safety bar, horn, backup alarm
- Rops canopy steel cab - compliant ROPS ISO3471 / FOPS ISO3449, safe work, air condition, front & rear wipers
- Adjustable suspension seat with safety belt, suitable for various working positions
- Front & side instrument panel (hour meter, voltage charger, water-cooling temperature, engine oil pressure, fuel level, etc.), front & rear working light

Optional equipment

- GPS system
- Quick hitch
- Hydraulic breaker
- Flail head
- Hydraulic auger



Product Specification Of Gear Pump Type

FLB468-II

Overall machine parameters

Rated Load, kg	3480
Operation Weight, kg	8760 / 8970 (Telescopic arm)
Traction Force, kN	80
Height to Top of Cab (C), mm	2700
Wheelbase (D), mm	2170
Overall Length (E), mm	5810
Overall Height (F), mm	3500
Overall Width, mm	2400
Stabilizer Width, mm	2200
Electric system, V	12
Battery, V/Ah	12 / 100
Alternator, V/A	12 / 120

Engine

Engine		WEICHAI LOVOL
Model	WP4.1G100E311	WP4.1G100E441
Engine Type	Diesel common rail engine, 4 stroke, direct injection, water cooled, turbocharger	
Emission Standard	EU stage IIIA	EU stage IIIB
Number of Cylinder	4	4
Displacement, L	4.088	4.087
Rated Power (ECE R120), kW [metric hp]	74 [100]	71.9 [97]
Rated Speed, rpm	2200	2200
Engine Torque, N·m	395	420
Torque Speed, rpm	1400-1600	1600
Air Filter		Dry air filter

- Auto idle system and auto stop system (optional configuration)
- Intercooler (optional configuration)
- Engine oil cooler (optional configuration)
- Electrical fuel supply (optional configuration)
- Automatic belt tensioner (optional configuration)

Transmission

Type		Four wheel drive
Front Axle Oscillation Angle, degree		22
Transmission		Torque converter
Gear Shift	Power shift, synchro shuttle	Power shuttle transmission
Number of Gears		4 forward, 4 reverse

- The transmission adopts WEICHAI LOVOL, it is durable and reliable.
- Four wheel drive system, available with either four wheel drive (4WD) or two wheel drive (2WD).
- The differential lock operated on rear axle (optional configuration)

Braking

Service Brake	Wet type-hydraulic power braking
Parking Brake	Mechanical caliper disc, hand brake

Steering

Type	Hydrostatic power steering, front wheels steering system
Outside Front Wheels Turning Circle (A), m	7.50 (with braked) / 8.86 (without braked)
Outside Loader Bucket Turning Circle (B), m	10.40 (with braked) / 11.00 (without braked)

Tire

Front Industry Tire	14-17.5	12.5×18
Rear Industry Tire	19.5-24	16.9×28
Max. Travel Speed, km/h	37	40

Hydraulic

Hydraulic System	Open center
Hydrulic Pump	Gear pump
Hydraulic Flow@2200rpm, L/min	145
Hydraulic Pressure, Bar	250

- Loader, excavator and branch leg (H-type) controlled by hydraulic system
- Hydraulic oil cooler (optional configuration)

Loader & backhoe device

Loading Bucket Type	General purpose bucket	Multi pupose bucket (4 in 1)	Multi pupose bucket (6 in 1)
Loading Bucket Capacity (SAE Heaped), m³	1.00	1.00	1.00
Loading Bucket Width, mm	2200	2300	2350
Bucket Breakout Force, kN			61
Arm Breakout Force, kN			58
Dump Angle, degree			45
Rollback Angle at Ground Level, degree			45
Maximum Lifting Position Maximum Bucket Angle, degree			55
Digging Bucket Type			Standard profile bucket
Digging Bucket Capacity (SAE Heaped), m³		0.18	0.20
Digging Bucket Width, mm		610	700
Bucket Digging Force, kN			58
Arm Digging Force, kN			55
Swing Arc, degree			180
Bucket Ratation Angle, degree			180
Side Shift, mm			1010

Loader & backhoe perfomance

Loader Performance

Loader Lifting Height (G), mm	4120
Hinge Pin Height (H), mm	3420
Dumping Height (I), mm	2700
Fully Dump Reach at Full Height (J), mm	750
Loader Digging Depth (K), mm	70

Backhoe Performance

Digging Arm Type	Standard arm	Telescopic arm	
		Ret.	Ext.
Max. Digging Radius (L), mm	5300	5350	6400
Max. Loading Height (M), mm	3500	3350	4250
Max. Digging Height (N), mm	5100	5000	5900
Max. Digging Depth (O), mm	4000	4020	4600

Oil

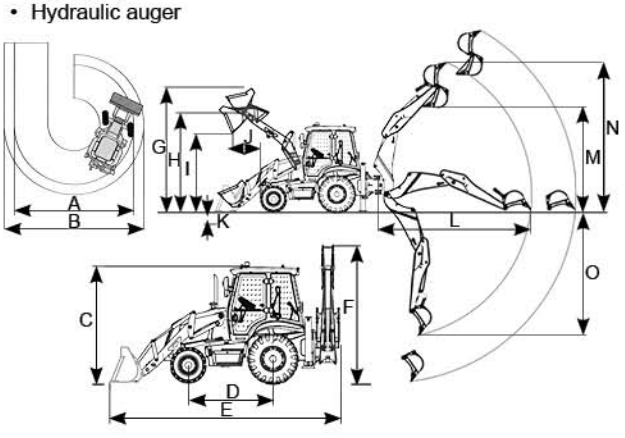
Fuel Tank Capacity, L	130
Hydraulic Oil Capacity, L	130

Standard equipment

- Safety bar, horn, backup alarm
- Rops canopy steel cab - compliant ROPS ISO3471 / FOPS ISO3449, safe work, air condition, front & rear wipers
- Adjustable suspension seat with safety belt, suitable for various working positions
- Front & side instrument panel (hour meter, voltage charger, water-cooling temperature, engine oil pressure, fuel level, etc.), front & rear working light

Optional equipment

- GPS system
- Quick hitch
- Hydraulic breaker
- Flail head
- Hydraulic auger



Product Specification of Heavy Digging

FLB468-II

Overall machine parameters

Rated Load, kg	2000
Operation Weight, kg	8790 / 8970 (Telescopic arm)
Traction Force, kN	80
Height to Top of Cab (C), mm	2700
Wheelbase (D), mm	2170
Overall Length (E), mm	5810
Overall Height (F), mm	3500
Overall Width, mm	2400
Stabilizer Width, mm	2200
Electric system, V	12
Battery, V/Ah	12 / 100
Alternator, V/A	12 / 120

Engine

Engine		WEICHAI LOVOL
Model	WP4.1G100E311	WP4.1G100E441
Engine Type	Diesel common rail engine, 4 stroke, direct injection, water cooled, turbocharger	
Emission Standard	EU stage IIIA	EU stage IIIB
Number of Cylinder	4	4
Displacement, L	4.088	4.087
Rated Power (ECE R120), kW [metric hp]	74 [100]	71.9 [97]
Rated Speed, rpm	2200	2200
Engine Torque, N·m	395	420
Torque Speed, rpm	1400-1600	1600
Air Filter		Dry air filter

- Auto idle system and auto stop system (optional configuration)
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Tire

Front Industry Tire	12.5×18	14-17.5
Rear Industry Tire	16.9×28	19.5-24
Max. Travel Speed, km/h	40	37

Hydraulic

Hydraulic System	Closed center
Hydrulic Pump	Variable flow axial piston pump
Hydraulic Flow@2200rpm,L/min	167
Hydraulic Pressure, Bar	250

- Loader, excavator and branch leg (H-type) controlled by hydraulic system
- Hydraulic oil cooler (optional configuration)
- Hydraulic ride control for smoother, more stable operation (SRS: smooth ride system).

Loader & backhoe device

Loading Bucket Type	General purpose bucket
Loading Bucket Capacity (SAE Heaped), m^3	1.00
Loading Bucket Width, mm	2300
Bucket Breakout Force, kN	51
Arm Breakout Force, kN	38
Dump Angle, degree	45
Rollback Angle at Ground Level, degree	45
Maximum Lifting Position Maximum Bucket Angle, degree	55
Digging Bucket Type	Standard profile bucket
Digging Bucket Capacity (SAE Heaped), m^3	0.18
Digging Bucket Width, mm	610
Bucket Digging Force, kN	69
Arm Digging Force, kN	34
Swing Arc, degree	180
Bucket Ratation Angle, degree	180
Side Shift, mm	1010

Loader & backhoe perfomance

Loader Performance	
Loader Lifting Height (G), mm	4100
Hinge Pin Height (H), mm	3400
Dumping Height (I), mm	2600
Fully Dump Reach at Full Height (J), mm	780
Loader Digging Depth (K), mm	70
Backhoe Performance	
Digging Arm Type	**Standard arm**
Max. Digging Radius (L), mm	5300
Max. Loading Height (M), mm	3500
Max. Digging Height (N), mm	5100
Max. Digging Depth (O), mm	4000

Oil

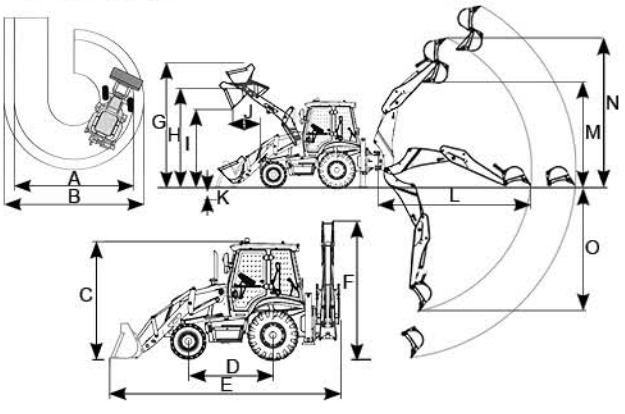
Fuel Tank Capacity, L	130
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Standard equipment

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- Adjustable suspension seat with safety belt, suitable for various working positions
- Front & side instrument panel (hour meter, voltage charger, water-cooling temperature, engine oil pressure, fuel level, etc.), front & rear working light

Optional equipment

- GPS system
- Quick hitch
- Hydraulic breaker
- Flail head
- Hydraulic auger





LOVOL HEAVY INDUSTRY OVERSEAS INTERNET OF VEHICLES

&

SMART LOVOL OVERSEAS APP PRODUCT INTRODUCTION

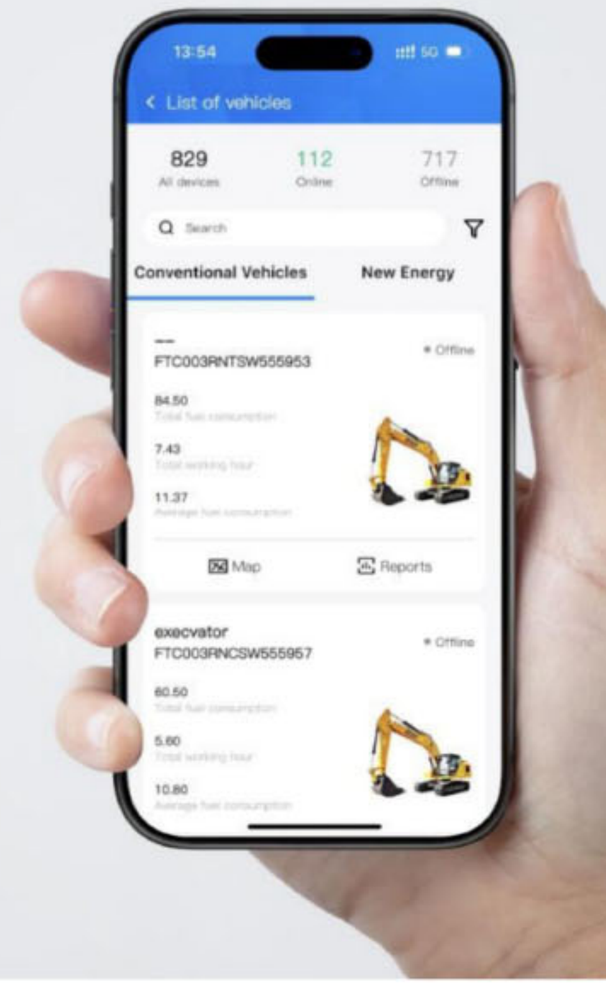
https://lovol.hopechart.com/login

Click the link to open directly



VEHICLE TERMINAL

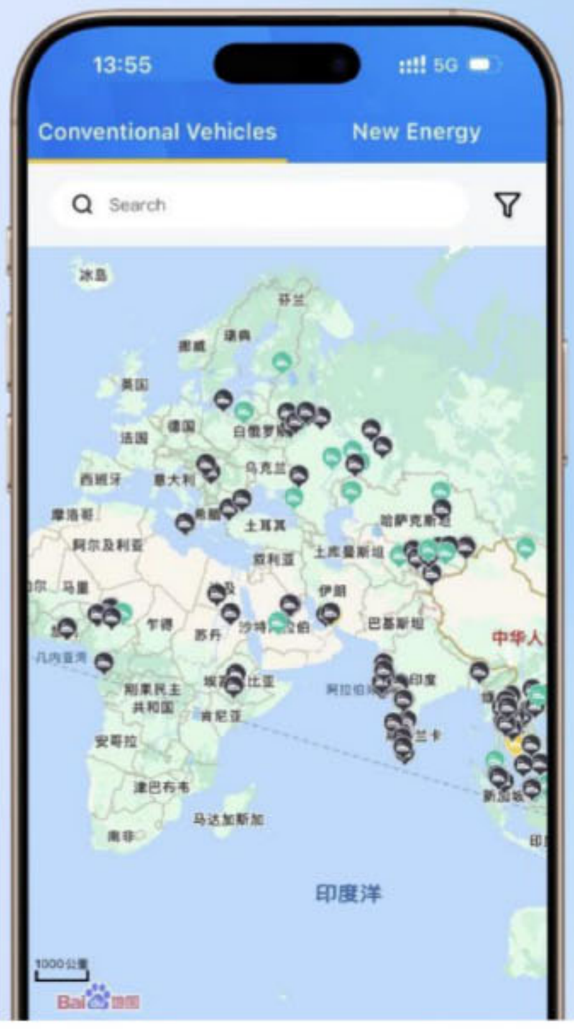
THE VEHICLE IS EQUIPPED WITH TERMINAL EQUIPMENT TO OBTAIN VEHICLE BODY DATA

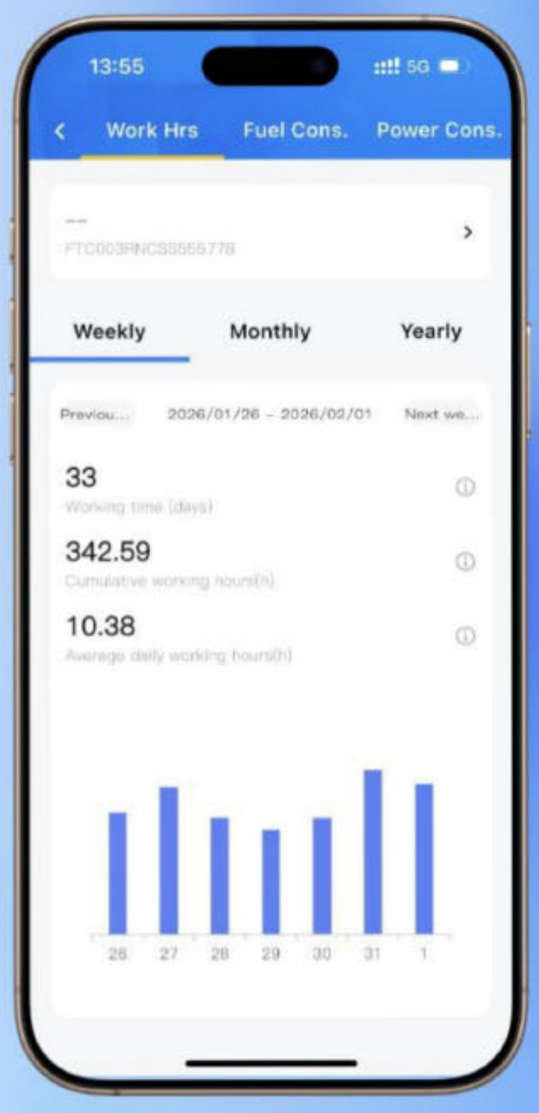


ON-THE-GO EQUIPMENT MANAGEMENT: DATA VISIBILITY, PREVENTION & UPKEEP

REMOTELY ACCESS REAL-TIME VEHICLE POSITIONING, OPERATING CONDITIONS, AND STATISTICAL DATA (E.G., WORKING HOURS/FUEL CONSUMPTION) VIA THE MOBILE TERMINAL ANYTIME, ANYWHERE. RECEIVE TIMELY FAULT ALERTS TO TAKE RAPID PREVENTIVE MEASURES AND AVOID COST ESCALATION. SYNCHRONIZED MAINTENANCE REMINDERS FACILITATE STANDARDIZED EQUIPMENT UPKEEP.

MAP





STATISTICS



COMMUNICATIONS EQUIPMENT

LOVOL PROVIDES DUAL-MODE (CELLULAR, SATELLITE) COMMUNICATIONS TO MAXIMIZE COMMUNICATION COVERAGE

LOVOL AND DEALERS WILL SUPPORT CUSTOMERS TO IMPROVE WORK EFFICIENCY THROUGH TIMELY AND RESPONSIVE SERVICES



DISTRIBUTOR

PROVIDE CUSTOMERS WITH QUALITY SERVICES

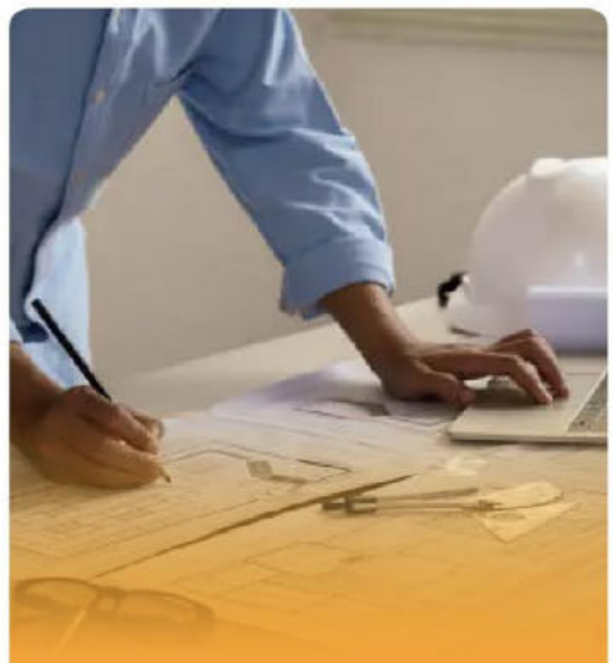
- OBTAIN VEHICLE STATUS THROUGH THE PLATFORM TO PROVIDE CUSTOMERS WITH TIMELY AND EFFECTIVE SERVICES
- SYSTEM MANAGEMENT OF VEHICLES SOLD



CLIENT

IMPROVE WORK EFFICIENCY AND OPTIMIZE OPERATING COSTS

- REMOTELY MONITOR VEHICLE BODY DATA AND ADJUST VEHICLE WORKING STATUS TIMELY AND EFFECTIVELY ACCORDING TO ACTUAL WORKING CONDITIONS
- ANALYZE FUEL CONSUMPTION ACCORDING TO WORKING CONDITIONS AND SELECT THE WORKING MODE WITH LOWER FUEL CONSUMPTION UNDER CORRESPONDING WORKING CONDITIONS



OEM

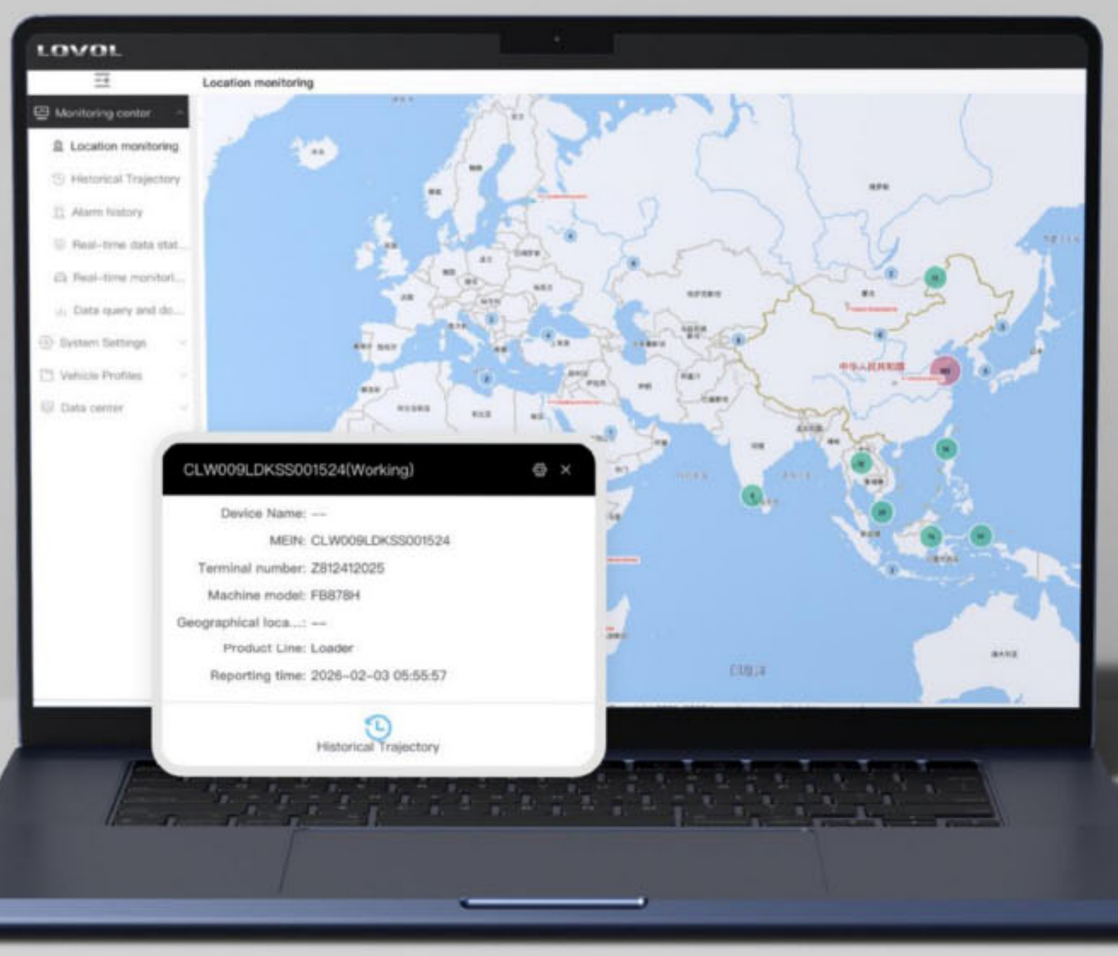
IMPROVE PRODUCT COMPETITIVENESS

- GO DEEP INTO THE MARKET, OPTIMIZE THE BODY AND PLATFORM PROBLEMS BASED ON THE FEEDBACK FROM USERS USING THE PLATFORM, AND CREATE PRODUCTS THAT ARE MORE SUITABLE FOR MARKET USERS

LOVOL PROVIDES A VARIETY OF VEHICLE WORKING DATA TO HELP YOU UNDERSTAND THE VEHICLE'S WORKING STATUS

VEHICLE INFORMATION

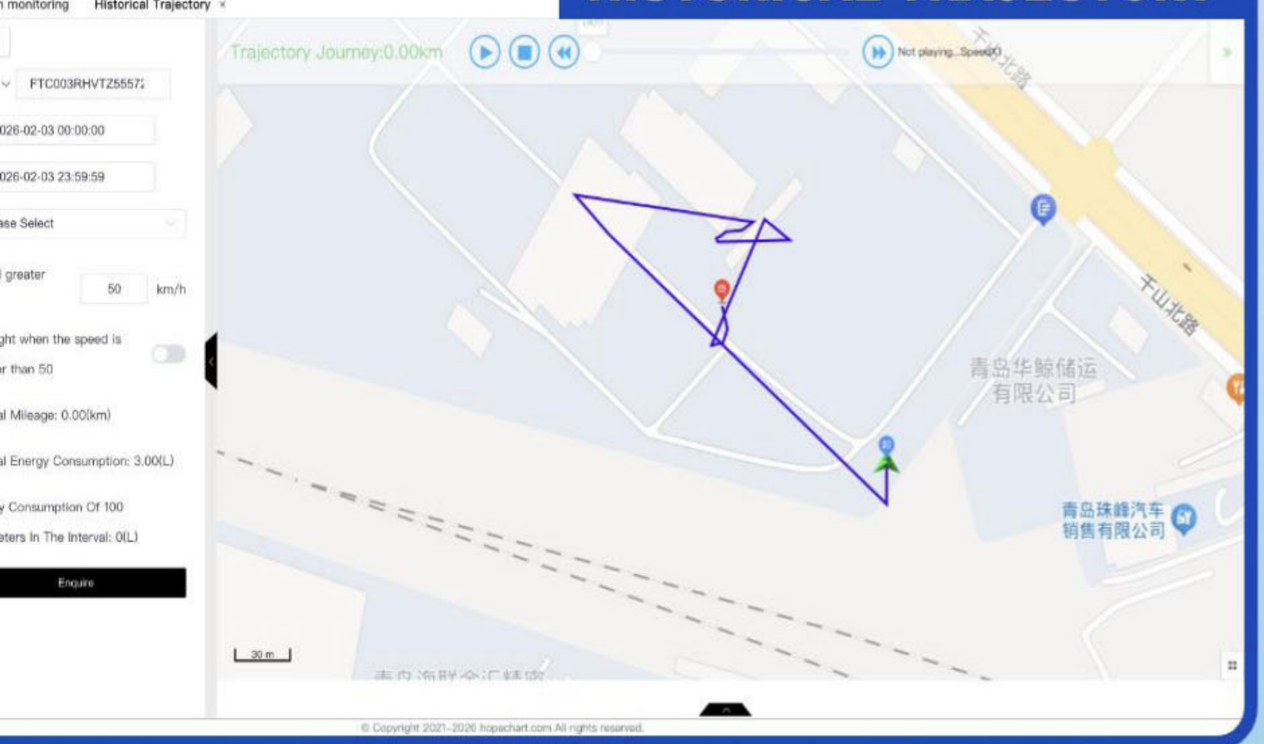
BASED ON THE VEHICLE TERMINAL, REAL-TIME MONITORING OF EQUIPMENT LOCATION AND OPERATING CONDITION DATA IS REALIZED VIA THE INTERNET OF VEHICLES (IOV) PLATFORM.



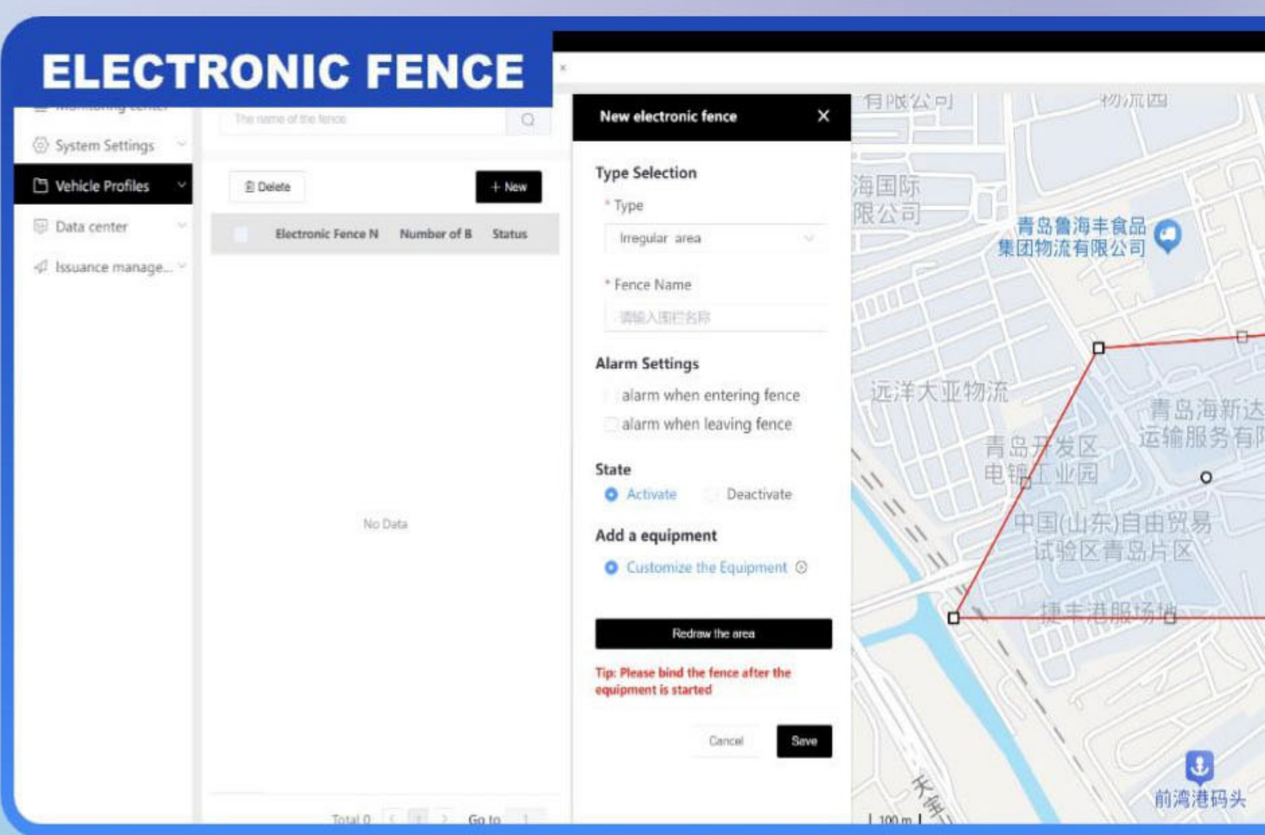
CORE INTELLIGENT MONITORING: SECURITY ALERTS, REAL-TIME DATA & HISTORICAL TRACEABILITY

SET UP ELECTRONIC GEOFENCING TO ENSURE SAFE EQUIPMENT OPERATION, WITH TIMELY ALERTS TRIGGERED UPON CONDITION VIOLATION; MONITOR REAL-TIME OPERATING CONDITIONS AND FAULT INFORMATION OF EQUIPMENT, SUPPORTING HISTORICAL FAULT INQUIRIES; REAL-TIME ACCESS TO EQUIPMENT'S HISTORICAL OPERATING DATA AND TRAJECTORY INFORMATION IS AVAILABLE.

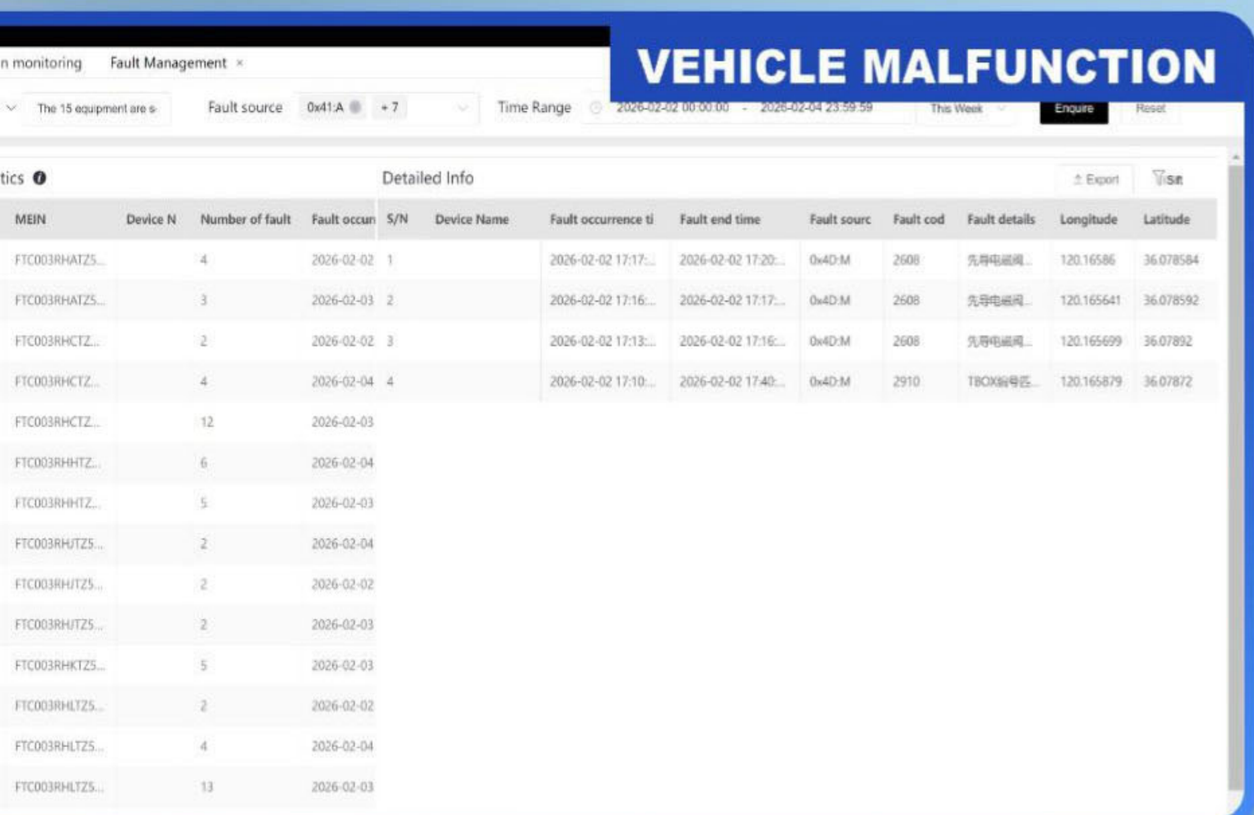
HISTORICAL TRAJECTORY



ELECTRONIC FENCE



VEHICLE MALFUNCTION

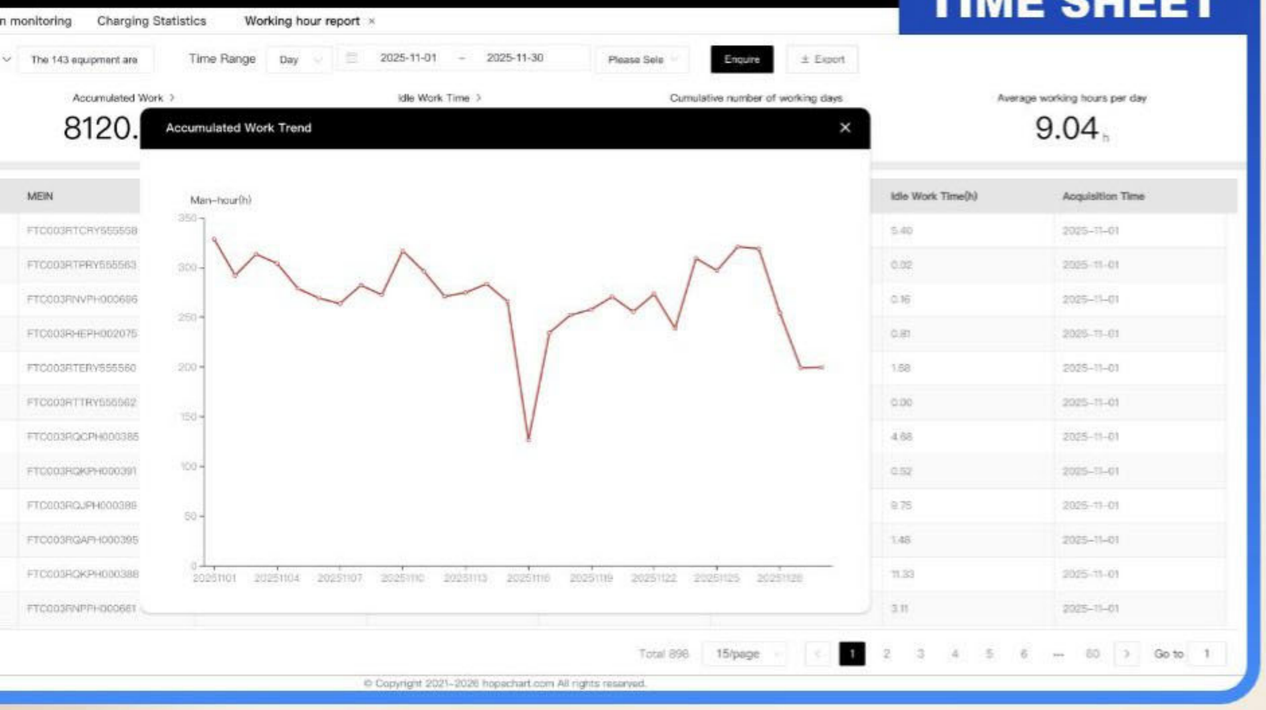


ONLINE RATE REPORT

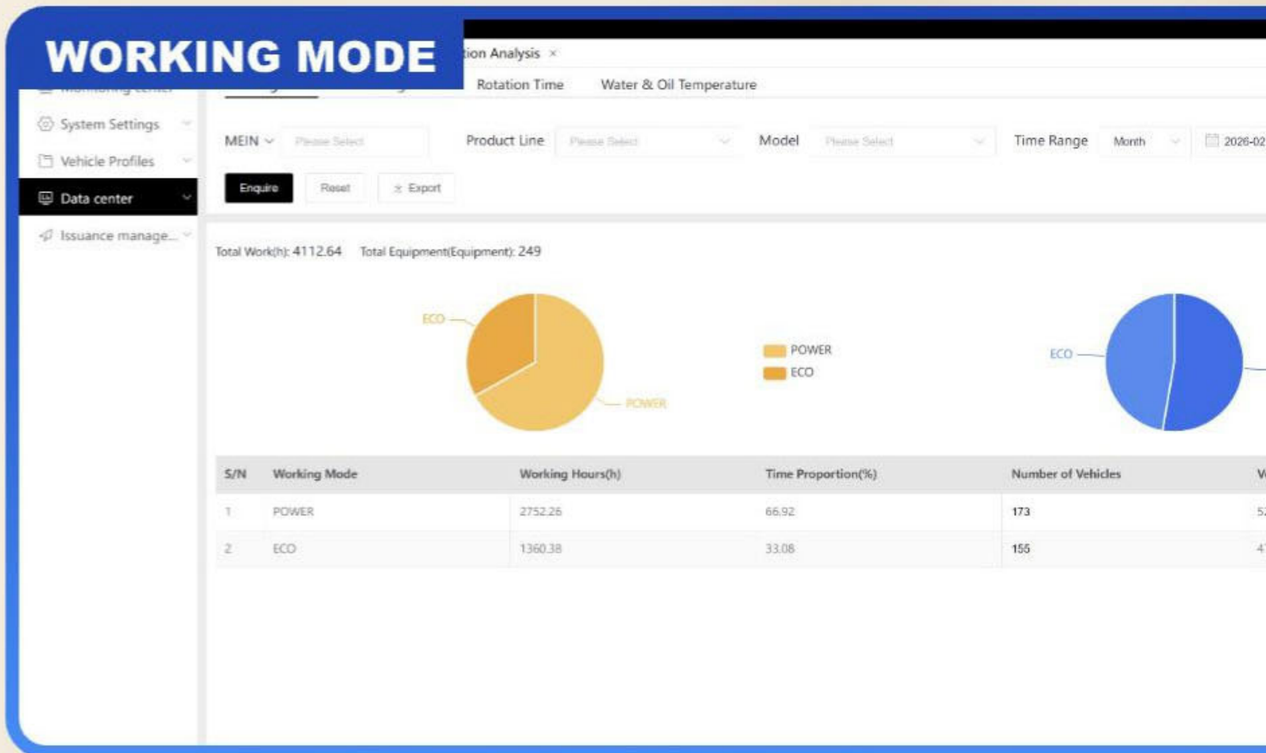
OPERATING CONDITION DATA VISUALIZATION: SCIENTIFIC EQUIPMENT PLANNING & OPERATIONAL EFFICIENCY IMPROVEMENT

AGGREGATE KEY EQUIPMENT OPERATING CONDITION DATA (INCLUDING ACCUMULATED WORKING HOURS, FUEL CONSUMPTION, OPERATING MODES, WATER AND OIL TEMPERATURES, ETC.), GENERATE CLEAR CHARTS TO SUPPORT SCIENTIFIC EQUIPMENT USAGE PLANNING AND IMPROVE OPERATIONAL EFFICIENCY.

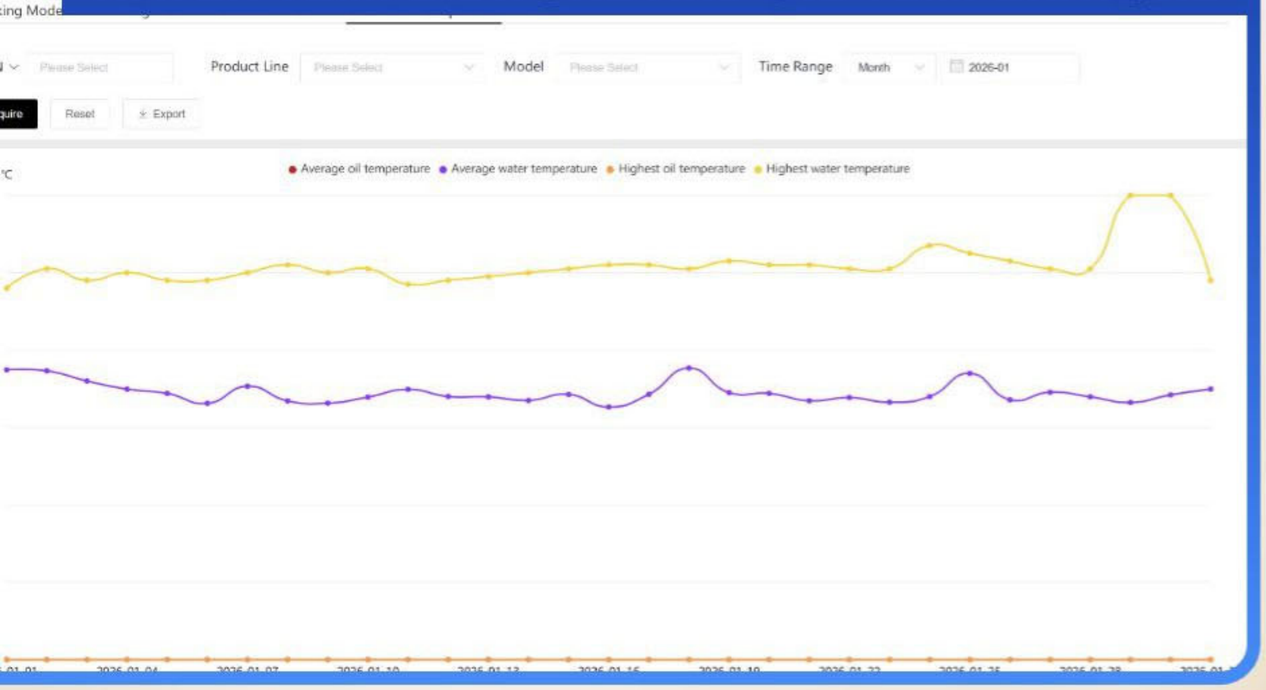
TIME SHEET



WORKING MODE



WATER TEMPERATURE AND OIL TEMPERATURE



WALKING TIME



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LOVOL
Member of SDHI Group

WEICHAI

LOVOL

The Weichai Lovol GPS is a genuine, factory-installed system developed and integrated directly by the manufacturer. It is designed to provide users with seamless monitoring, smart connectivity, and real-time insights into machine performance.

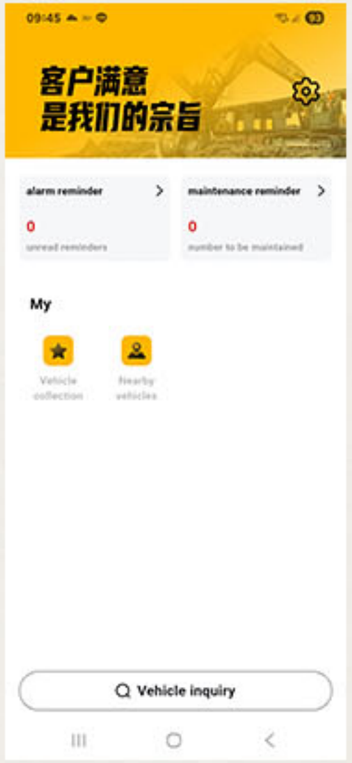


GPS Features

1. Factory-Installed Original System: Installed directly on the Weichai Lovol production line to ensure superior reliability and performance.
2. Cross-Platform Mobile App: Compatible with both Android and iOS devices for convenient access anytime, anywhere.
3. User-Friendly Interface: Simple and intuitive dashboard for effortless operation and quick data viewing.
4. Comprehensive Machine History Tracking: Access complete operational records from the first day of use, including:
   - Fuel consumption rate
   - Working hours
   - Travel distance
   - Summary performance reports
5. Maintenance Reminder Function: Set reminders for oil changes and maintenance based on operating hours.

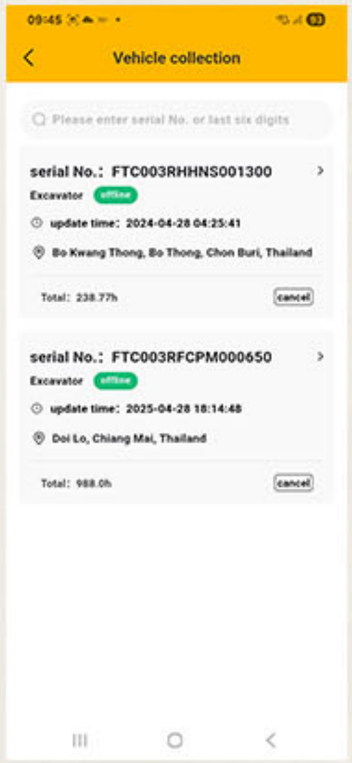
The Weichai Lovol GPS combines innovation and intelligence to help operators monitor, manage, and optimize their machines with confidence and precision.

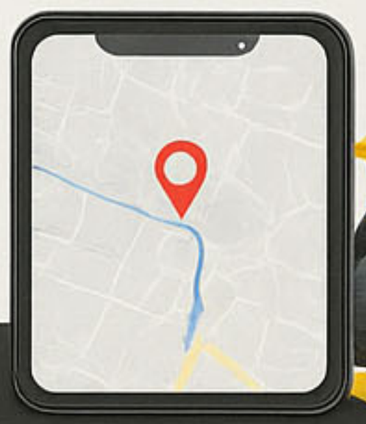
Lovol Heavy Industry Group Co.,Ltd.

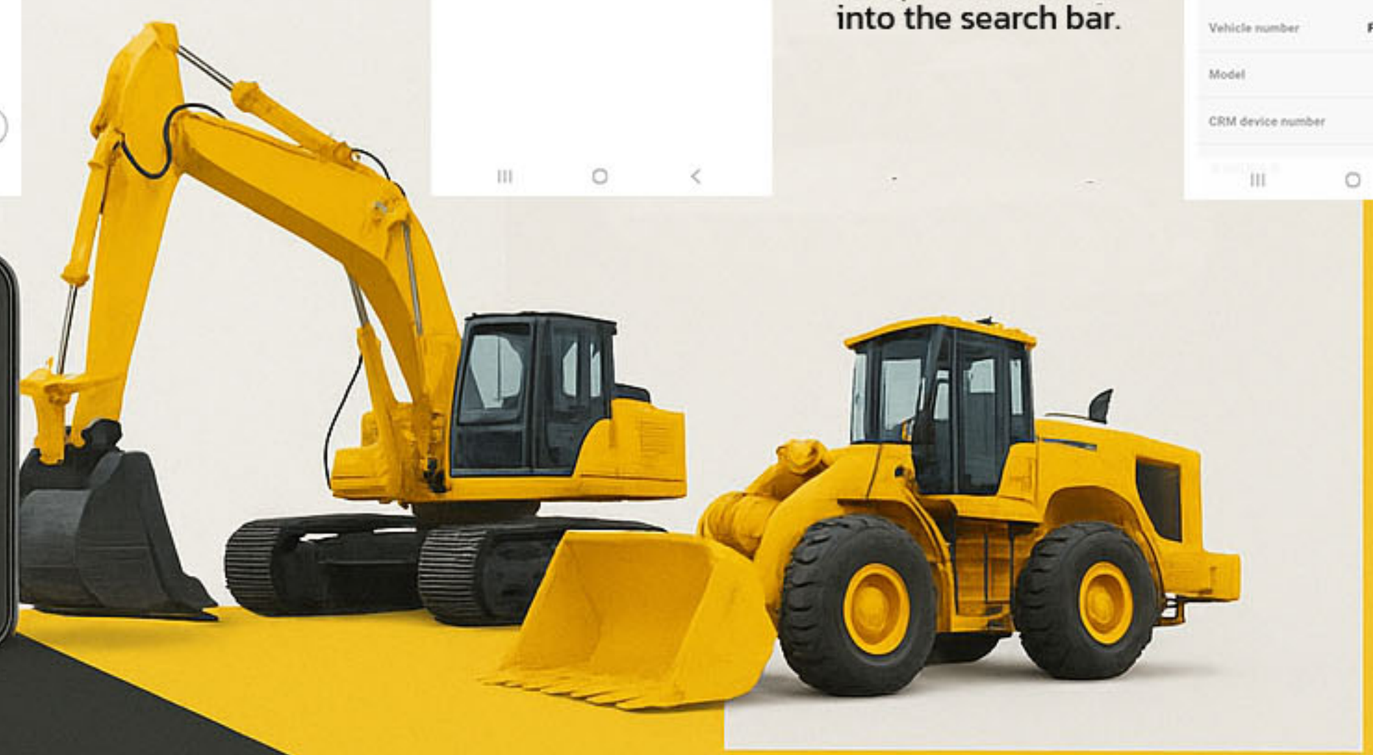


The main GPS dashboard is simple and easy to use.

You can access vehicle search functions and notification settings directly from this screen.

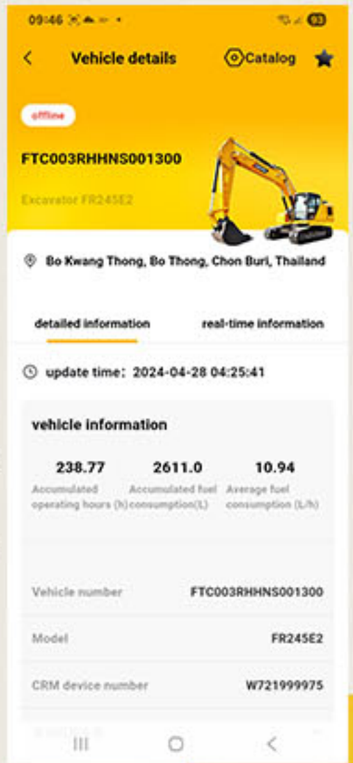






Search Page

You can locate any vehicle equipped with the GPS system simply by entering its Serial Number into the search bar.



Vehicle Information Display

Once you select a vehicle, an overview of its data will appear, including working hours and the most recent location.



Historical Data Access

You can view the vehicle's operation history from the very first time the system was activated.

Lovol Heavy Industry Group Co.,Ltd.