



SHERP



SHERP – where there are no roads!

Durable and reliable machines for operations in the most difficult natural conditions.





BRIEF HISTORY OF DEVELOPMENT

In 2012, the SHERP all-terrain vehicle went to the test site for the first time. Although the technical characteristics of the machine impressed everyone, numerous improvements were undertaken over the next few years. As a result, through the efforts of our developers, engineers, and designers, the SHERP all-terrain vehicle became a unique phenomenon. It is peerless and without analogues. Nothing is impossible with the SHERP.

Today, the advanced SHERP is mass-produced to meet the ever-growing demand of customers from all over the world.



SHERP CAPACITY

- Easily traverses **any type of terrain**, including water, sand, ice, snow, swamps, fallen trees, and blockfields;
- climbs a step **1 meter (3 feet) in height**;
- climbs a slope of **35 degrees**;
- can transition **out of the water onto the ice**;
- moves at a speed of up to **40 km/h (25 mph)**.

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SHERP

ADVANTAGES



SHERP is capable of overcoming any type of terrains: swamps, deep snow, sand, ice, and water.

Each SHERP tire has a volume of about 800 liters (211 gal.). The total volume of the wheels gives a displacement of more than 3,200 kg (7,000 lbs.), which allows the SHERP to move along the water, while the hermetic body prevents water from entering the compartment.

Therefore, the SHERP remains afloat even with zero tire pressure or without all 4 wheels.

1. Pneumocirculation Suspension

Pneumocirculation suspension is a uniquely patented system that facilitates the SHERP's gliding motion across all types of terrains.

Suspension is not equipped with springs, shock absorbers, racks, or other traditional elements. It is comprised of fewer parts which means more reliability, fewer breakdowns, and lower repair costs.

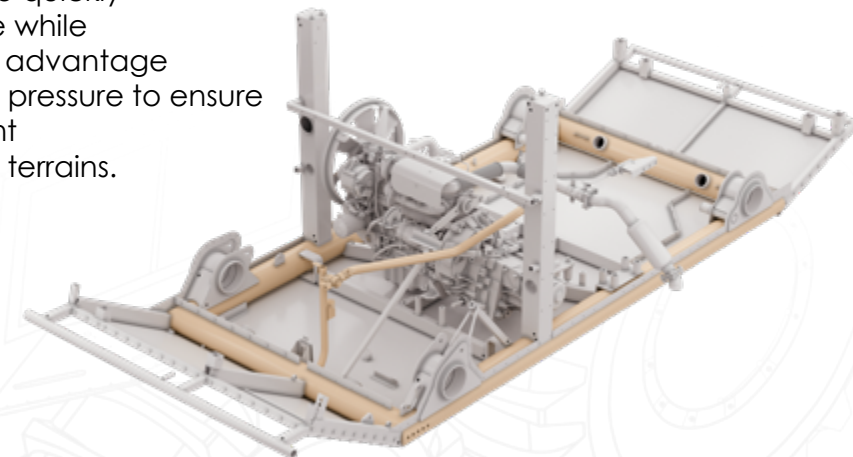


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2. Inflation and Tire Controlled Pressure

The design features of the pneumocirculation suspension makes it possible to quickly pump the wheels. It takes **less than 30 seconds** to set the working pressure in the tires!

This feature allows you to quickly change the tire pressure while moving. It gives you the advantage of choosing the optimal pressure to ensure most efficient movement across different types of terrains.



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3. Tubeless Extra-Low Pressure Tires

The SHERP all-terrain vehicle tires are also patented: they are tubeless, and ultra-low pressure, which makes them ideal for overcoming obstacles of any complexity.

The reliability of the tires derives from the use of high-quality materials (rubber of special composition and cord) and modern production technologies.

They remain light and elastic, impressing with their durability and strength. They have an excellent level of adhesion, and are able to reach a speed of up to 6 km/h (3.7 mph) on the water.

Self-inflated by the exhaust, the tires can be inflated and deflated **within 30 seconds**.



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4. Fuel Efficiency

The SHERP consumes an average of 2 to 3 liters (0.5-0.8 gal.) of diesel fuel per hour. The rate of consumption, however, depends on the type of terrain.

2-3L/H



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5. Lightweight

The SHERP was built to operate as lightweight machine. This factor affords additional cross-country maneuverability of the machine and ease of transportation.



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6. Independence

Canisters of 58 liters (15 gal.) each are built in to the wheels of the SHERP. Filling them up on all four wheels increases the total fuel reserve by **232 liters (61 gal.)**. This leaves the internal space of the SHERP empty to store provisions, tools, equipment, etc.



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7. Design, Based on Simplicity and Reliability

The design of the SHERP was developed in such a way that it could be repaired anywhere, with a minimal amount of tools and virtually no deep specialized knowledge. A suspension and transmission, crafted without many traditional elements, demonstrate the highest reliability.

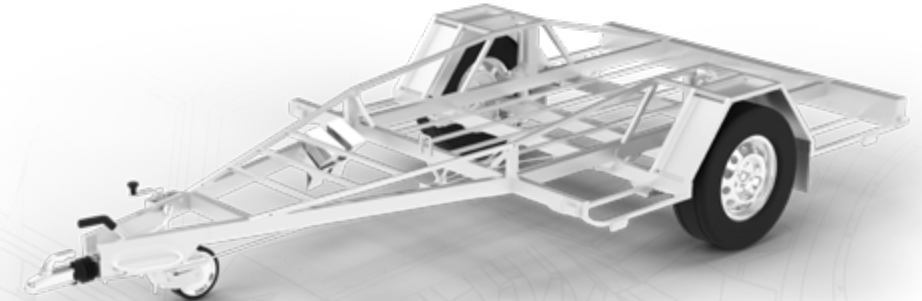
Only the minimum required electrical appliances are used. In this case, the engine itself can operate even without electrical equipment functionality.



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8. Compactness

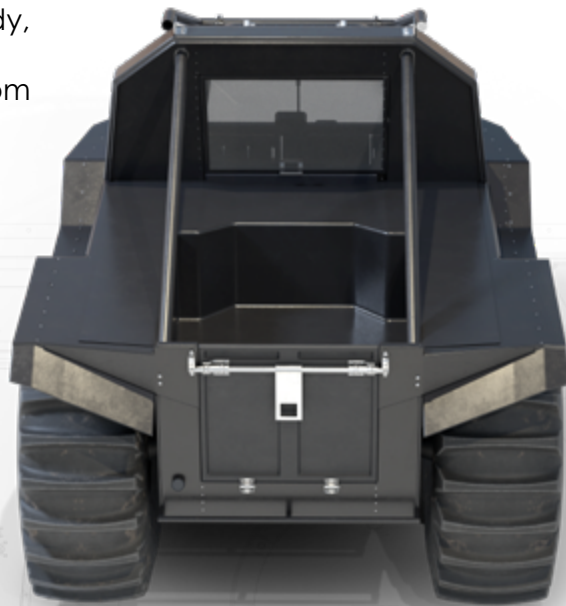
Small dimensions make the SHERP convenient for movement within a limited area. The SHERP can be transported on roads by a trailer, designed specifically for this machine. Due to its unique design, the SHERP all-terrain vehicle rides onto the trailer platform and self-locks in **just 15 seconds**.



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9. One-Box Body

The cabin of the SHERP is a one-box body, which provides an increased level of comfort and reliably protects people from external factors.



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10. Japanese Engine

Kubota is an engine manufactured in Japan that has proven its reliability and durability. There are no electronics within it, which means that it is functional even in inhospitable conditions characterizing the most difficult climatic zones.

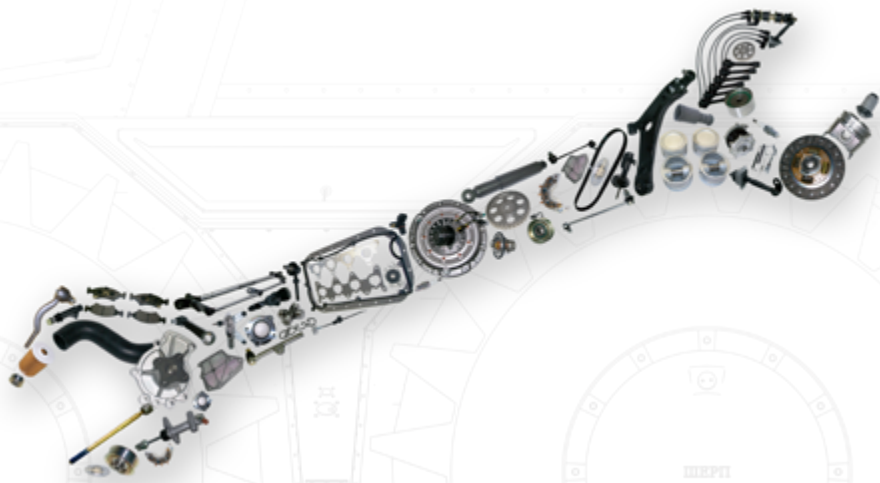
Kubota®



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11. Simplified Repairs

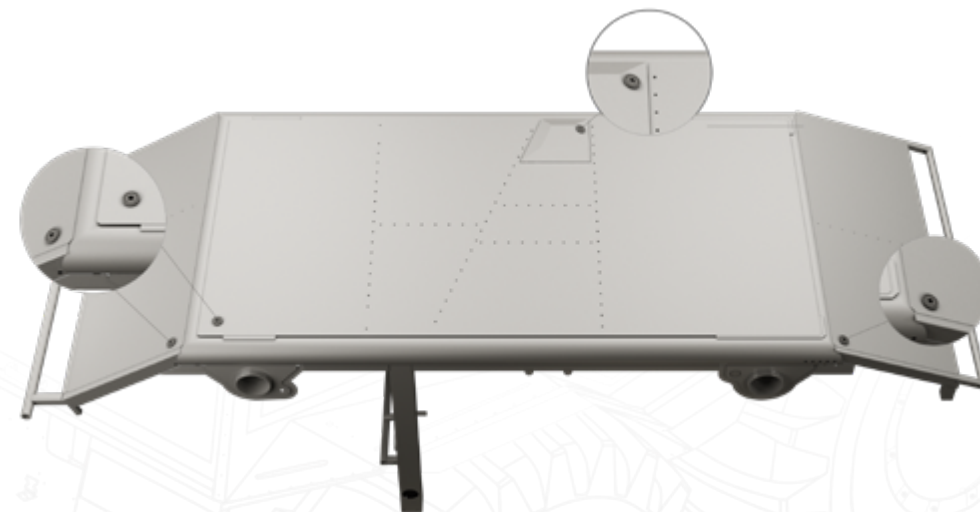
If necessary, maintenance or repair of the SHERP all-terrain vehicle can be carried out directly from the compartment. All kinds of work can be done at any time and in any place — without being impacted by the natural conditions.



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12. Fast Water Drain from Body

Even if water gets into the body, a solution is provided to permit its fast drain. Merely open the kingstones — and the water instantly pours out.

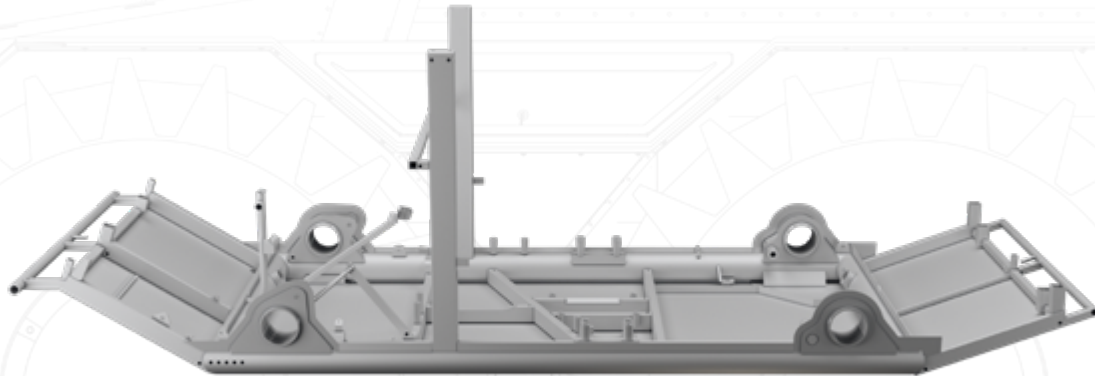


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13. Load Frame

The design of the SHERP is based on the load frame, which provides additional reliability.

The load frame is hot-dip galvanized process that protects the metal against corrosion and extends its lifespan.



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14. Flat Underside

The underside is smooth. There are no elements on its surface that might catch on obstacles and reduce the SHERP's mobility. This increases the cross-country ability and speed of the SHERP's movement.



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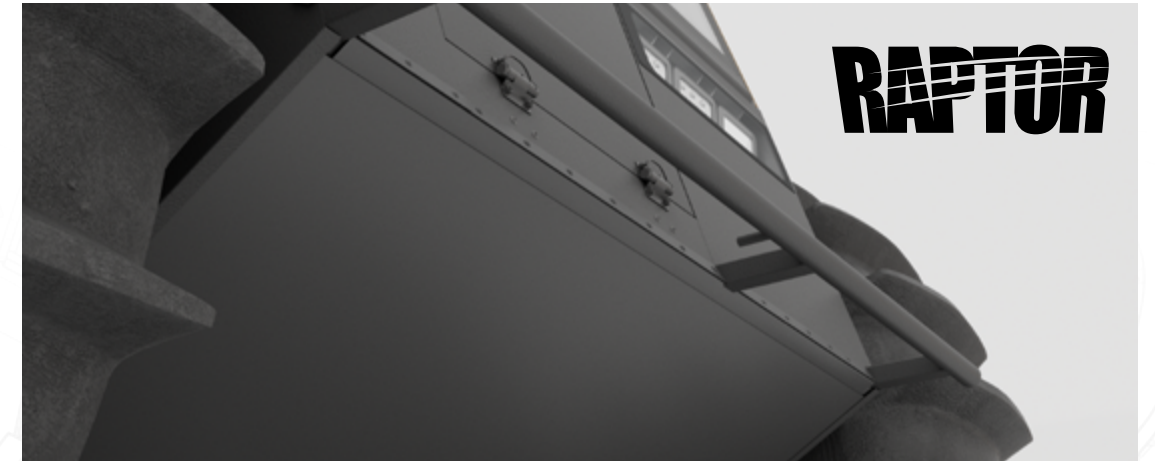
15. Underside Made of Docol Steel

Docol steel is used for the production of the underside. The strength of such steel reaches **1,000 MPa (145,000 PSI)**, and its zinc coating provides a long service life.



16. Polyurethane Coating of Racks and Underside

The "Raptor" polyurethane coating is distinguished by its superior strength. It is used to coat the racks and underside, exclude the effect of corrosion and minor mechanical damage.



17. Compartment Heating

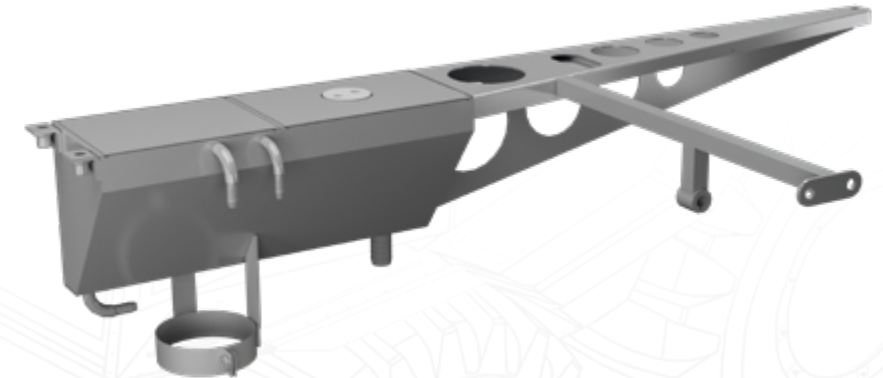
The compartment is heated by a **Webasto AirTop 2000 STC heater**. This heater allows the engine to be started, even at critically low air temperatures.



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18. The Ability to Move Even When Heeled

An additional small-volume fuel tank is built into the design of the fuel system of the SHERP all-terrain vehicle to avoid “fuel hunger” during a prolonged move, when heeled, or with a trim difference. It is located above the engine level, and, due to this, the fuel will always flows into the engine.



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19. Climbing Slope of 35 Degrees

The SHERP easily overcomes the majority of uneven terrains, including slopes angled up to **35 degrees**. This serves as excellent proof of its readiness to tackle the most difficult challenges.



20. Skid Steering

It has the ability to turn almost within its own length. Such maneuverability is extremely important in the wilderness, where centimeters can mean everything.





19. 4 Full Berths + Additional Storage Place

A rollaway boarding allows you to increase the number of full berths up to four. The process of preparing berths is simple and takes only a few seconds.

The benches in the cabin are made of high-quality wear-resistant material. They are removable, so they can also be used as additional storage space.



22. Bilge Under Bottom Ceilings

The bilge has a volume of **170 liters (45 gal.)**. It can also be used as additional storage place for provisions, equipment, or fuel.



23. Excellent Controllability, Smart Ergonomic Solutions

Driving the SHERP is not complicated. It does not take long to learn how to operate the SHERP: a brief time and only a couple kilometers of practice. Smart ergonomic solutions make it convenient to use for any purpose.



24. Rear View Camera

The camera affords the driver complete situational awareness of the area behind the SHERP. It is indispensable in the wilderness and when reversing.



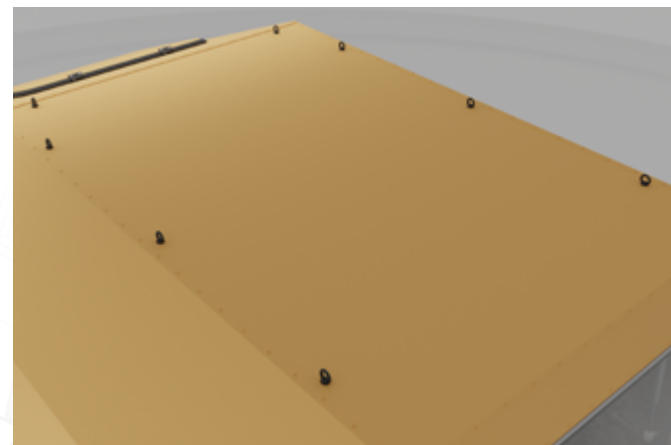
25. Aluminium Body

The developers paid special attention to the selection of body material, to prepare the SHERP for long and difficult work. The use of aluminum made it possible to render the body of the all-terrain vehicle corrosion-resistant, durable, and light.



26. Roof Load Securement System

The external load securement system is attached to the roof of the body. Due to this, you can either transport additional useful luggage or release the compartment.



27. Excellent View

Large-sized side windows and a sunroof are imposed on the body. They ensure a comfortable level of visibility and minimize risks while driving.



28. Casing of Thermal and Noise-Insulating Materials

The **CORDURA** fabric — extremely strong and durable — is used as a casing for the interior of the SHERP. The casing is equipped with the **MOLLE** system for easy attachment of equipment.



CORDURA



MOLLE

29. Galvanized Wheel Disks

Wheel disks of the SHERP are hot dip galvanized. This gave them the highest corrosion resistance and durability.



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30. Reinforced Half Axles

Half axles of the all-terrain vehicle are made of forgings. This solution has made it possible to reinforce the half axles, making them lighter and stronger.

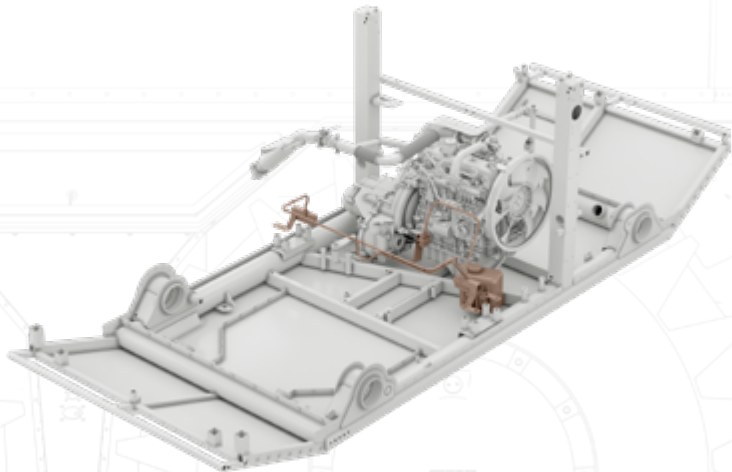


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31. Simple Semi-Automatic Lubricating Chain

The semi-automatic lubricating chain is used in the design of the Sherp. Due to this, the driver does not need to leave the cab — he can lubricate the chain directly from the cab. That requires the driver to simply press a couple buttons on the dashboard.

One lubrication is enough for trouble-free operation of the all-terrain vehicle chains for 5-10 hours.

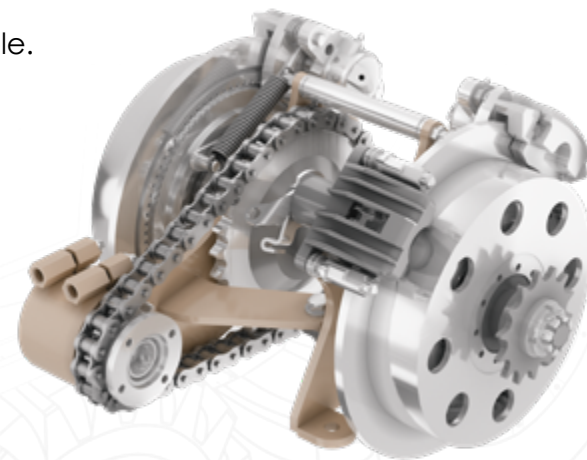


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32. Rotation Gear

The friction mechanism used in the SHERP all-terrain vehicle facilitates quick turns. It is equipped with a hydraulic reinforcement system, which requires the driver to apply much less effort during maneuvering.

The rotation gear is reliable and simple.



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33. Safety Glasses

Front glasses of the all-terrain vehicle are made of triplex. Polycarbonate is used for the production of the rear window glass. The materials provide high strength and a high level of safety in all situations.



34. Industrial Tools

Only industrial tools are used in the SHERP all-terrain vehicle. All of them have demonstrated their accuracy and reliability on modern water transport.



35. Engine Protection

The sensor system constantly monitors the liquid coolant temperature and the oil pressure. In the event of a critical temperature increase, the alarm will alert the driver, which helps to avoid an engine malfunction.



36. Manufacturer Warranty

The SHERP has an of event of any malfunctions, you can always rely on the fast and quali of our specialists.

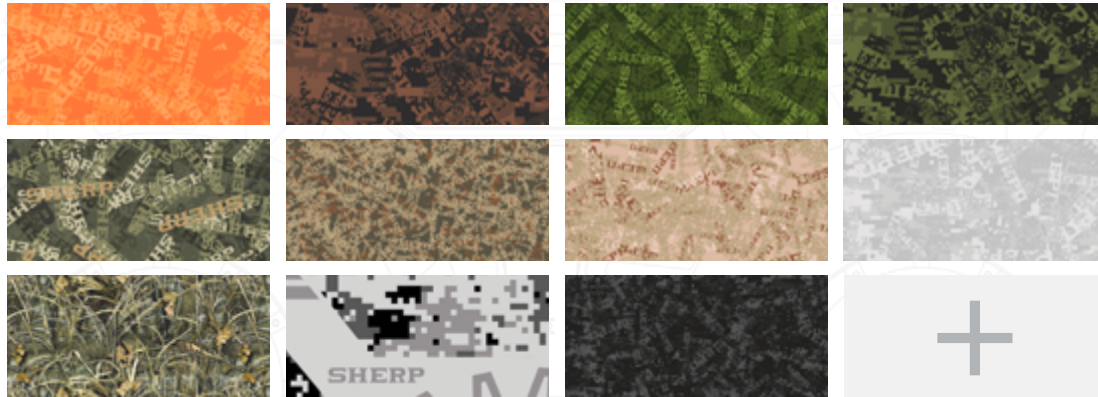
The firm manufacturer warranty represents your confidence in the reliability of the all-terrain vehicle SHERP and the help of professionals.

Also, the support service operates 24/7.



37. Color Options

There are various color options. You can change the appearance of the SHERP all-terrain vehicle and make it more appropriate to the type of the environment. Also, it is possible to apply a unique design, in the form of a texture or camouflage, by the customer's request.



38. Flexible Space Management Capabilities

Cabin space management options:

A) transformable side hammocks of the Cordura fabric.

They have 3 positions:

- To organize loading;
- To sleep;
- Transport position.

B) 3 universal transformable lockers

Each has 4 positions and various functions.





 **SHERP**



SHERP^{PRO}

| Travel Speed: | |
|--|------------------------------|
| maximum speed (at the top-gear), km/h (mph) | 40 (25) |
| minimum speed (at the low-gear), km/h (mph) | 1,5 (1) |
| speed on the water, km/h (mph) | 6 (3.7) |
| type of tires | tubeless, extra-low pressure |
| tire size | 1,600 x 600 x 25 |
| type of terrain | anything |
| hourly fuel consumption (depends on ground conditions), l/h (gph) | 2 - 3 (0.5 - 0.8) |
| fuel tank volume, l (gal.) | 56 (14.8) |
| capacity of additional fuel canisters, l (gal.) | 58 x 4 (15.3 x 4) |
| climbing capability, cm (ft) | 100 (3.3) |
| uphill gradient, degrees | 35° |
| maintenance intervals, m/h | 50 |

| Overall Dimensions: | |
|--|----------------------|
| length, mm (inches) | 3,400 (133.8) |
| width, mm (inches) | 2,520 (99.2) |
| height, mm (inches) | 2,520 (99.2) |
| body | aluminum |
| dry weight, kg (lbs.) | 1,300 (2,866) |
| engine | Kubota V1505-t / E3B |
| fuel type | diesel |
| volume, cm ³ (cubic inches) | 1,498 (91.5) |
| ultimate output, HP | 44,3 |
| gearbox | mechanical, 5-speed |
| suspension | pneumocirculation |
| parking brake system | independent |
| clutch | SACHS |
| clearance, cm (ft) | 60 (2) |
| cylinder count | 4 |
| bearing capacity, kg (lbs.) | 1,000 (2,204) |
| seats equipped with seat belts | up to 6 |

SHERP *Pickup*

| Travel Speed: | |
|--|------------------------------|
| maximum speed (at the top-gear), km/h (mph) | 45 (28) |
| minimum speed (at the low-gear), km/h (mph) | 1,5 (1) |
| speed on the water, km/h (mph) | 6 (3.7) |
| type of tires | tubeless, extra-low pressure |
| tire size | 1,600 x 600 x 25 |
| type of terrain | anything |
| hourly fuel consumption (depends on ground conditions), l/h (gph) | 2 - 3 (0.5 - 0.8) |
| fuel tank volume, l (gal.) | 56 (14.8) |
| capacity of additional fuel canisters, l (gal.) | 58 x 4 (15.3 x 4) |
| climbing capability, cm (ft) | 100 (3.3) |
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| engine | Kubota V1505-t / E3B |
| fuel type | diesel |
| volume, cm³ (cubic inches) | 1,498 (91.5) |
| ultimate output, HP | 44,3 |
| gearbox | mechanical, 5-speed |
| suspension | pneumocirculation |
| parking brake system | independent |
| clutch | SACHS |
| clearance, cm (ft) | 60 (2) |
| cylinder count | 4 |
| bearing capacity, kg (lbs.) | 1,000 (2,204) |
| seats equipped with seat belts | 2 |

Our development process yielded us a peerless and unique product that has been confirmed and protected by patents in **27 countries**.



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SHERP
CONQUERS THE WORLD

TEST DRIVES

The best way to experience the capabilities of the all-terrain vehicle is to try it out yourself. The company organizes test drives in natural conditions on a regular basis: on polygons with hills, ravines, swamps, and sandy terrains.

The test drive is a real challenge and a unique opportunity to personally experience the simplicity, power, and cross-country characteristics of the SHERP.

Would you like to take part in a test drive? Fill out an application at **sherp.ca**. There is also a schedule of the nearest test drives, indicating their locations.



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57

SERVICE CENTERS

Even the most reliable machines periodically need repairs and maintenance. For that reason, we have created a network of service centers, each of which is authorized by our company and ready to offer the highest professional level of service for SHERP all-terrain vehicles.

The chain of maintenance centers continues to grow.



EXHIBITIONS

The SHERP is a regular participant in various international specialized exhibitions. Every appearance of the SHERP at an exhibition becomes an event that attracts specialists, journalists, and ordinary visitors.



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61

PRODUCTION

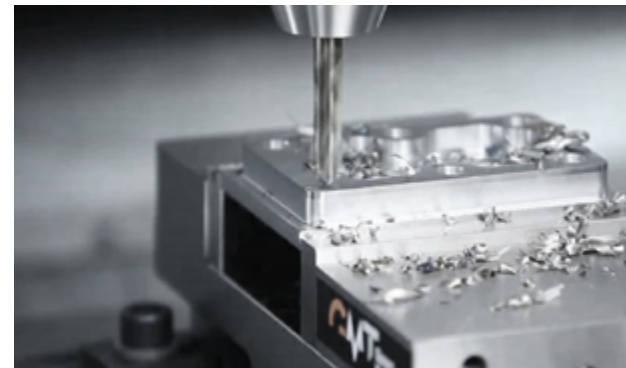
Mass production of the SHERP all-terrain vehicle was launched in 2015. Through the use of modern equipment and the participation of quality specialists, it is possible to produce about two hundred machines during this time.

The enterprise is managed pursuant to the **ISO 9001** standard, which allowed the company to enter the international level and successfully implement the SHERP in different countries.

The constantly growing number of orders motivates the company to expand its production facilities. As a result, the number of jobs is increasing, and specialists from new areas are being invited.



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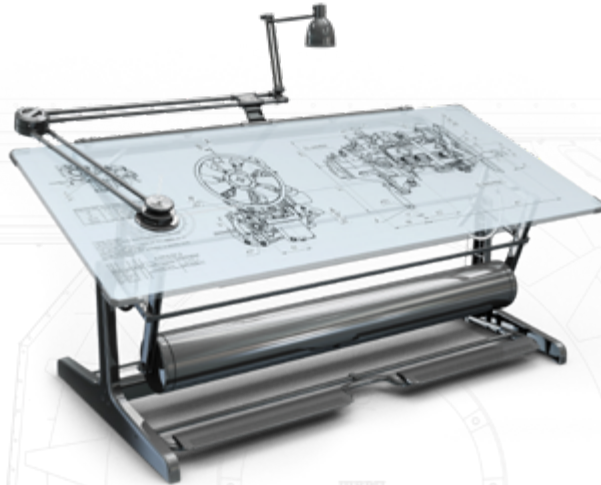
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NEW DEVELOPMENTS

Outstanding and unique features — is not a reason to stop development!

The company continues to develop and improve solutions that make the SHERP all-terrain vehicle even more reliable, powerful, efficient, and convenient.

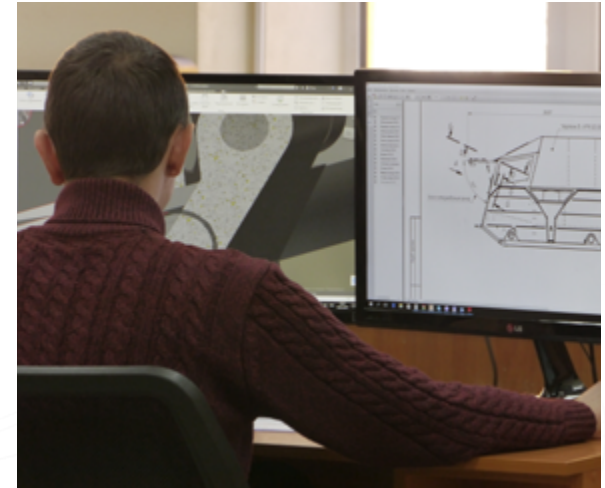
Each part, mechanism or assembly is subjected to multiple tests. A team of designers carefully examines the results obtained to offer new, more effective solutions.



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EXTENSIVE SPHERE OF APPLICATION

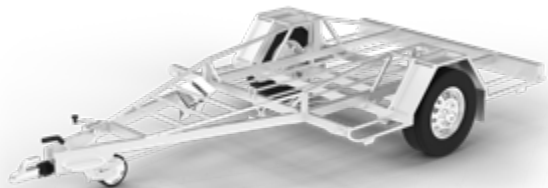


One of the advantages of the SHERP all-terrain vehicle is its **universality**. Today, it is used in oil-and-gas and geological exploration, forestry, for environmental control, delivery of brigades to the place of repair work, delivering cargo to remote and hard-to-reach areas, for search activities, rescuing people from breakaway ice during floods and other emergencies.

In addition, the SHERP is perfect for specialists studying flora and fauna in the wilderness, foresters, reserve workers, fishermen, hunters, extreme athletes, and recreationists in the wilderness.



OPTIONAL EQUIPMENT



TRAILER

A unique trailer is designed for the transportation of the SHERP ATV. Loading the Sherp on the trailer takes only a few seconds.



WINTER SNOW WHEELS

a particularly durable tungsten tip for increased cross-country ability.



INSERT INTO THE BILGE BOX

Allows use of its volume for useful purposes. This box was specially designed to improve the convenience of operating the SHERP all-terrain vehicle.



LED AUXILIARY HEAD-LIGHTS

The powerful LED lights are designed to operate in the most severe conditions; they are water-resistant and continue to function even at extreme temperatures.

OPTIONAL EQUIPMENT



RESERVED ACCUMULATOR

The accumulator, connected with the accumulator decoupling network (ADN), is responsible for backup power in the allterrain vehicle.



FUEL CANISTERS BUILT INTO THE WHEELS

Installation and use of fuel canisters built into the autonomy of the all-terrain vehicle and increase the fuel distance, not at the expense of cabin space.



HEATER

yet powerful. It takes less than a minute to warm up the compartment of the allterrain vehicle and is designed for longterm uninterrupted operation.



LOCKER BOXES

Locker boxes are the convenient and functional solution. They can be used both for storage of necessary things, and as a table, bench, and bed. Locker boxes are equipped with locks and handles for easy transportation.

OPTIONAL EQUIPMENT



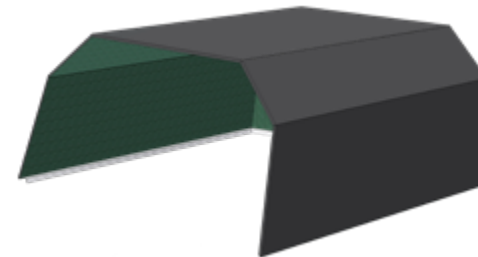
WINCH

The powerful winch, with the three-stage planetary reduction unit, can develop a traction power of 2500 lb, which will help to you get out of almost any unforeseen situation to rescue others.



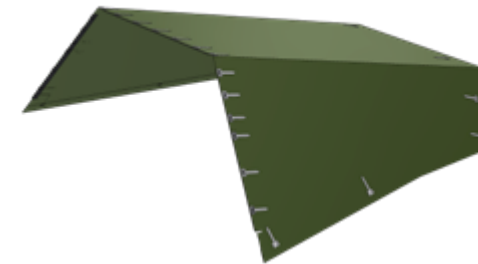
PASSIVE SAFETY ARC

The protection from rollovers is a very important attribute of special vehicles, which will not only help to secure the vehicle from severe damage but also to save your life and health during the rollover.



VAN BODY

(clearance) made of plastic and is very light, while being mounted on SHERP Pickup allows to get all advantages of the enclosed vehicle.



TENT

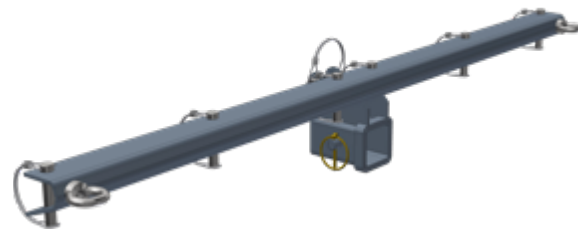
Tent is the necessary attribute of the SHERP Pickup as it is able to protect the luggage and engine rooms from rain and snow, which will allow to save your luggage and the operational integrity of the vehicle.

OPTIONAL EQUIPMENT



BOAT-TYPE SLED

The SHERP boat-type sled has a wide functionality. It may be used both for swimming and for transportation of goods across any surface.



TOW HITCH

The hitch is attached to the rear bumper, with the fast make-up connections at several points, which allows impacts to be evenly split across the SHERP frame.



BACK-EYE CAMERA

The back-eye camera simplifies the operation of the SHERP all-terrain vehicle significantly. It provides good visibility, which allows for easy reverse driving and parking, even when space is limited.



+1 877 349 49 99
+1 204 339 95 91
SALES@SHERP.CA





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