

ROLLIGON

MODEL 4450

*all terrain
amphibious*

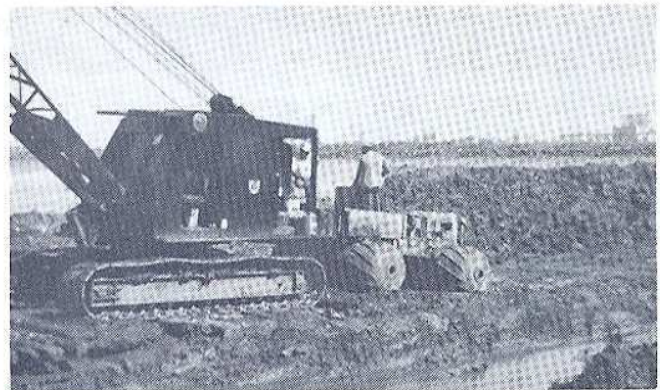
2 TON VEHICLE



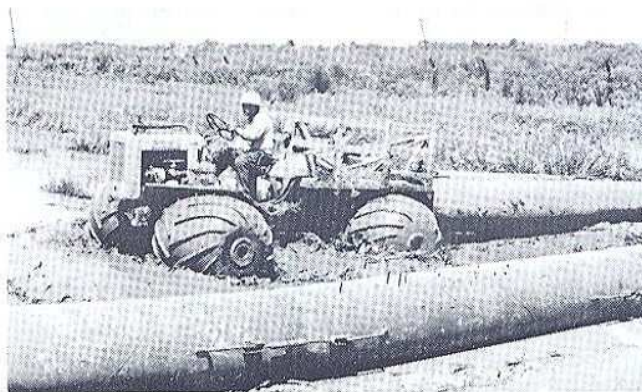
SERVICING DREDGE



PIPELINE WELDER CARRIER



SERVICING DRAGLINE



TAILING DREDGE PIPE



PERSONNEL CARRIER

***Go anywhere
anytime***

SPECIFICATION NO. 4450-73



FUEL HAULER

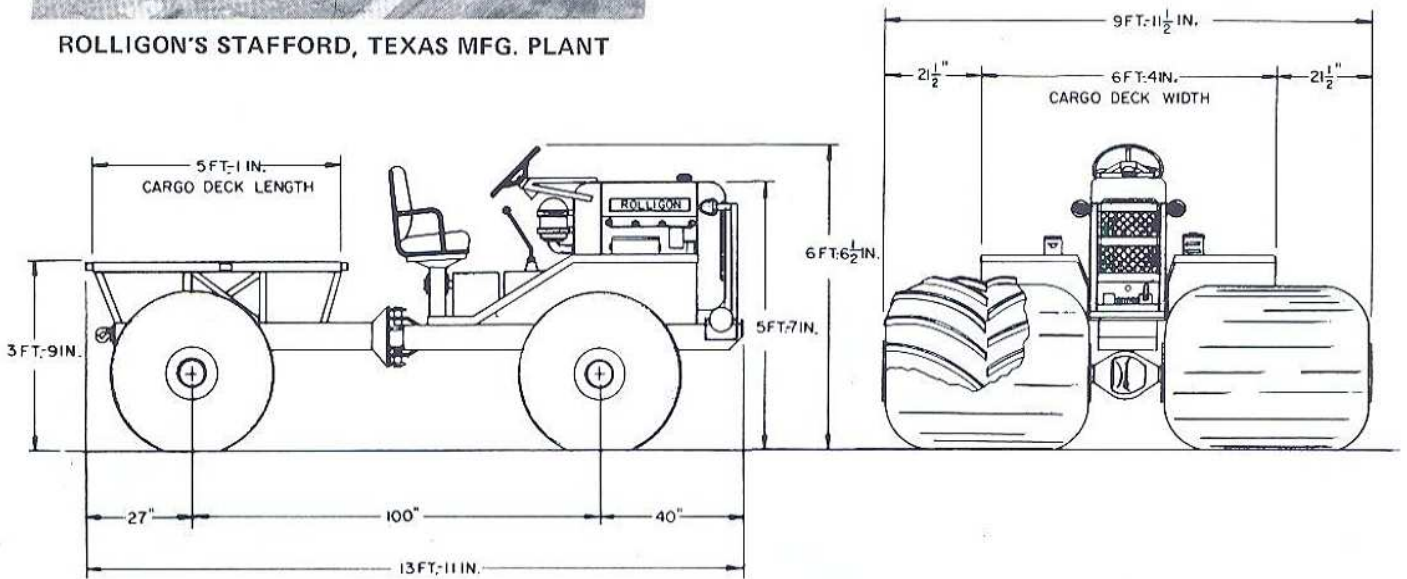


ROLLIGON'S STAFFORD, TEXAS MFG. PLANT

ROLLIGON

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PERFORMANCE

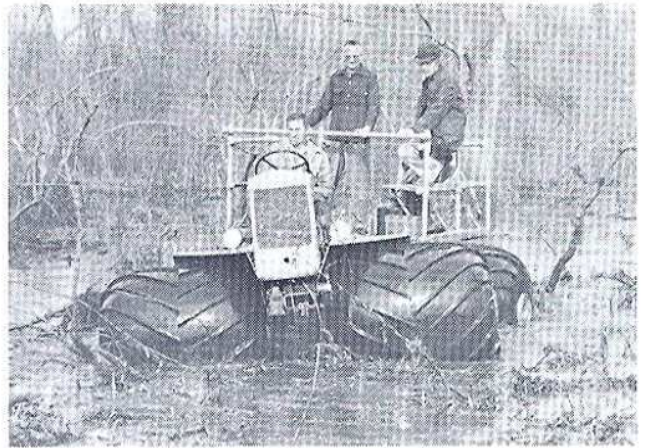


Maximum Payload on Land	4,000 lbs.
Maximum GVW in Water	6,850 lbs.
Recommended Maximum Operating GVW in Water	5,000 lbs.
Vehicle Weight, no payload, no operator, no fuel	3,500 lbs.
Minimum Ground Clearance at Pivot	19 inches
Maximum Forward Gradeability	60 %
Maximum Side Gradeability	40 %
Maximum Angle of Approach	60 degrees
Maximum Angle of Departure	80 degrees
Maximum Forward Speed on Land	24 MPH
Maximum Reverse Speed on Land	3 MPH
Maximum Operating Speed in Quiet Water	2 MPH
Minimum Turning Radius	18 feet

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FEATURES



PERSONNEL CARRIER

PAYLOAD

Maximum payload with intermittent operation and full ground contact of all wheels on firm terrain. Payload reduced proportionate to duration of operation, terrain unevenness, and terrain softness.

POWER PLANT

Ford Model 172 4 cylinder diesel engine. 59 rated horsepower. Hand shift transmission, 4 speeds forward (6.40/3.09/1.69/1.00:1), 1 speed reverse (7.82:1). 10" dry clutch. Oil type air cleaner. Fuel filter. Lube oil filter. 12 volt electric starter. 12 volt generator. 12 volt battery. Steel radiator grill guard. Steel open sided engine housing. Exhaust muffler and stack. Foot throttle. Hand throttle. 8 gallon steel fuel tank. Optional gasoline engine. Optional arctic starting equipment. Optional transmission PTO.

DRIVE LINE

All wheels powered. Spicer 1350 Universal Joints in jackshafts and drive shafts. Rolligon Chain Case, 2.12:1 ratio, self oiling double roller chain. Two Dana Model 70 axles, 7500 lb. rating, 6.17 ratio, welded steel mounts bolted to frame. Four hubs, each with bearings, seals, and gaskets, each with 8-5/8" wheel mounting studs.

FRAME

Front frame on one axle, rear frame on one axle, coupled by articulating joint. Welded steel construction with dual 6" channels. Integral welded mounts for assembly of components.

ARTICULATED JOINT

Welded steel construction. Upper and lower steel gudgeons with bronze, grease fitted bushings welded to pivot section. Matching pairs steel trunions welded to heavy front frame end plate, each with 2" diameter alloy fastened pin. Machined steel swivel tube welded to pivot section. Machined steel swivel housing bolted to rear frame. Swivel jackshaft with sealed bearings bolted to swivel housing. Steel swivel stops for 40° total swing.

STEERING

36° maximum steering angle left or right from center. Full hydraulic power steering. Hydraulic pump with relief valve driven by power plant. Oil reservoir with strainer. 2" diameter steering cylinder with stainless steel rod. Hydraulic hoses with threaded fittings. Steering control valve mounted on steering post supported from engine housing. Steel reinforced plastic steering wheel mounted on steering post.

WHEELS

4 welded and machined aluminum wheels. Each wheel mounted to axle hub flange with 8-5/8" stud nuts. Each wheel with 40 x 50 - 12 cleated Rolligon Tire mounted onto

WHEELS (cont'd.)

wheel end flanges with bolted aluminum Tire Keeper Rings. Tire inflatable to 6 psi and inflated from engine exhaust by Tire Inflation Hose. Optional Spare Wheel & Tire Assembly. Optional smooth Rolligon Tires. Optional steel wheels with 300 lbs. added to vehicle weight and deducted from rated payload.

BRAKE

Drum brake on transmission output shaft mechanically operated by hand lever with ratchet.

CARGO DECK

All welded aluminum structure bolted to rear frame. 11 gauge diamond aluminum floor plate welded to structure. 2" x 4" stake pockets on approximate 30" centers. 10,000 lb. pintle hook at rear. Optional steel cargo deck with 100 lbs. added to vehicle weight and deducted from rated payload.

FRONT WINCH

8000 lbs. capacity. Steel mounts. Cast aluminum housing. Cast steel drum. 5/16" x 100' steel cable. 3/8" x 18" steel tail chain with steel hook. Line shaft drive from engine transmission PTO. Reel and unreel hand control lever. Unspooling release lever.

OPERATOR SEAT

Seat on centerline facing forward. 4" fore and aft adjustment. Steel frame and side rails. Weather proof cushioned seat, back, and arm rests. Integral operator floor and front fenders of braced and welded aluminum construction bolted to front frame.

INSTRUMENTS

Engine hourmeter. Indicator lights for generator, oil pressure, water temperature. Ignition lock switch. Engine start button. Instruments mounted on engine housing rear panel. Optional dial gauges. Optional fuel level gauge. Optional panel light.

STANDARD ACCESSORIES

Pair headlights with single filament sealed beam bulbs. Vehicle painted Rolligon Yellow except aluminum surfaces, tires and engine. 1 copy Operation and Service Manual in hinged, weatherproof, lockable, steel container. Wheel lug wrench. Tire inflation hose. Tire pressure gauge. Tire puncture kit.

OPTIONAL EQUIPMENT

8,000 lb. hydraulic driven Cargo Deck Winch. Rear A-Frame. Front A-Frame. Shipping Wheels. Arctic Cab. Standard enclosed cab. Canopy top. Brush Guard. Front pintle hook. Tail lights. Stop lights. Roll-over bars. Horn.



JUNGLE TRANSPORT



MOSQUITO CONTROL

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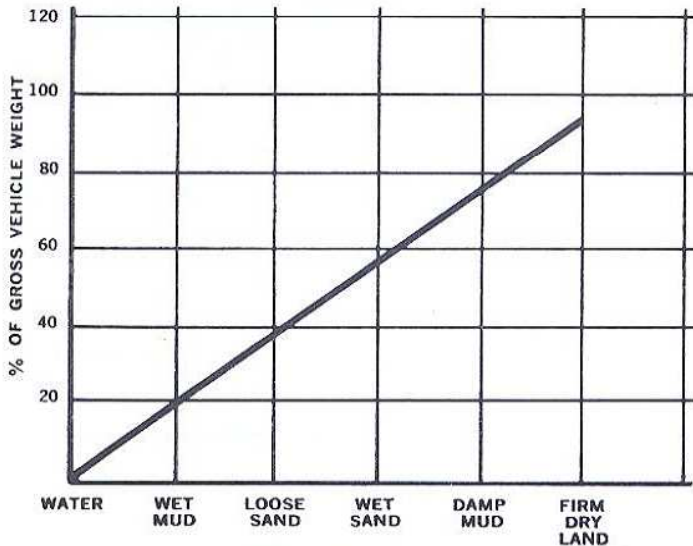
DATA



ARCTIC TRANSPORT

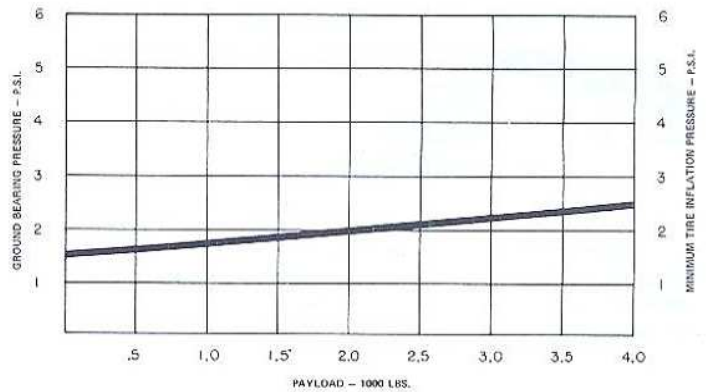
DRAWBAR PULL

TIRE PRESSURE — 3 PSI



TERRAIN CONDITION

GROUND BEARING PRESSURE



WARRANTY

Rolligon Corporation warrants its new products to be free of defective materials and/or workmanship for six months after its delivery limited to its elected repair and/or replacement at its factory excluding removal, installation, and/or transportation expense, of parts as shall appear to its inspection at its factory having had such defects, not including its Tires, not including parts made and warranted by others, and not including parts made to special order of the Purchaser.

Rolligon Corporation warrants its Tires to be free of defects only of blisters, voids, and/or separations for six months after delivery limited to its elected repair or replacement at its factory of Tires as shall appear to its inspection at its factory having had such defects, excluding removal, installation, and/or transportation expense, such replacement allowing credit

only for the measured unused portion of such defective Tires.

IMPROVEMENTS

It is the policy of Rolligon Corporation to continually improve its products. The right is reserved to make changes in specifications or design which in the opinion of this company are in accord with this policy or which are necessitated by the unavailability of materials. The description herein is for the purpose of identifying the kind of machine and does not limit nor extend the express warranty provisions.

PATENTS & TRADEMARKS

"Rolligon" is the registered trademark of Rolligon Corporation. Rolligon Tires and Vehicles protected by U.S.A. and foreign patents.

THE ROLLIGON CORPORATION

P. O. BOX 36265
HOUSTON, TEXAS 77036

713 498-6391

10635 BRIGHTON RD.
STAFFORD, TEXAS