



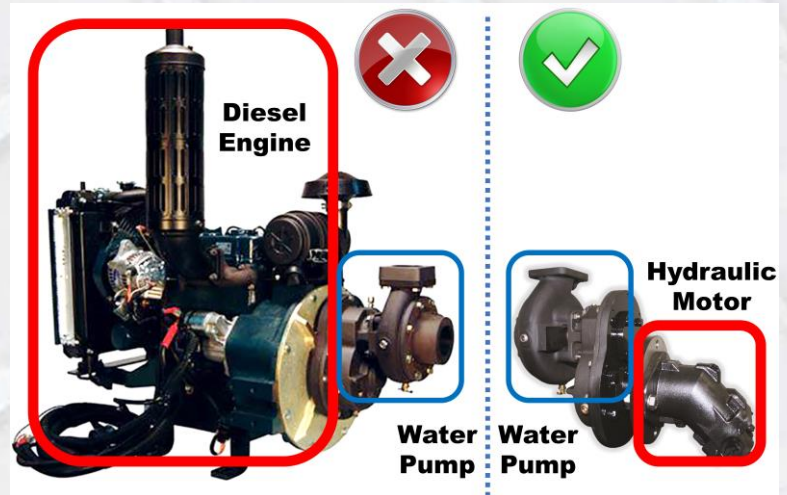
I-SERIES



Harrison **INTEGRATED HYDRAULIC TECHNOLOGY** allows you to run your on-board equipment **USING HYDRAULIC MOTORS**, instead of gas engines, diesel engines or electric motors.

Integrated Hydraulic Technology, or IHT, will allow you to build systems from **SIMPLE APPLICATIONS** to **COMPLEX APPLICATIONS**, and everything in between.

Using small, yet very powerful, hydraulic motors provides enhanced performance, operation, and better packaging by reducing the packaging sizes, **ELIMINATING MULTIPLE ENGINES** and driving all the on-board equipment using hydraulic motors.



Benefits

- Decreases the size by up to 75%
- Provides increased reliability and performance
- Eliminates small engine maintenance issues and provides zero emissions
- Reduces vehicle wheel base and increases maneuverability
- Frees up compartment space; equipment can be mounted anywhere
- Simplifies operation; flip a switch and go to work
- Premium Hydraulic Motor will last a lifetime



Harrison Demo Truck

— Complex Application —

- TNT rescue tool pump with **HYDRAULIC MOTOR**
- Darley 1 1/2 AGH with **HYDRAULIC MOTOR**
- Harrison generator with **HYDRAULIC MOTOR**
- (2) TNT rescue tools, (2) rescue tool reels, (1) cord reel, (1) hose reel, (1) SVI light tower, 50 gallon water tank

Short-Bed Brush Truck

— Simple Application —

- Darley 1 1/2 AGH with **HYDRAULIC MOTOR**
- 250 gallon water tank



IHT IS SO SIMPLE and has been used on Harrison hydraulic generators for almost 50-years. Utilizing the existing on-board power-train, rotary power is transferred from the hydraulic pump to the hydraulic motor. **THE HYDRAULIC FLUID IS THE "FUEL"** for the hydraulic motor.

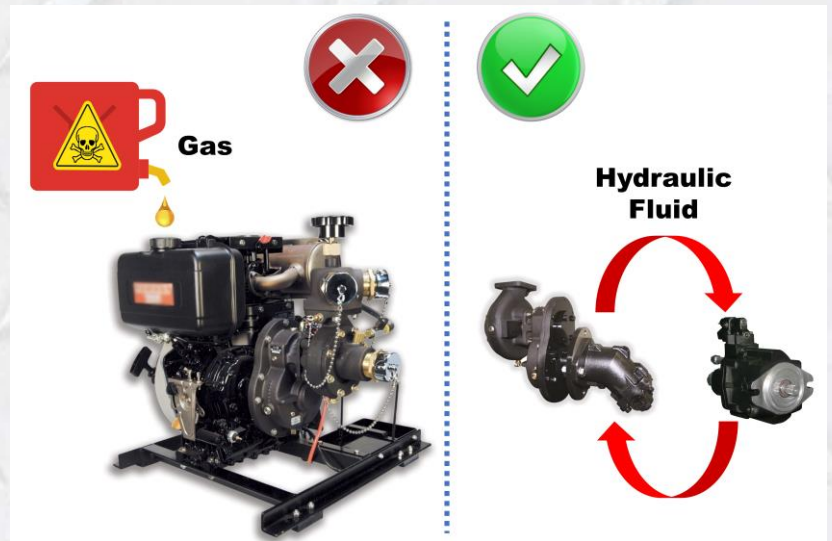


— **POWER TAKE OFF (PTO)** —
ON THE POWER TRAIN

Hydraulic fluid has a tremendous advantage in that it may only need to be replaced yearly, unlike gas that is consumed every time the gas engine is used. **YOU MAY ONLY USE 5-GALLONS OF HYDRAULIC FLUID IN A YEAR** compared to 100's of gallons of gas.

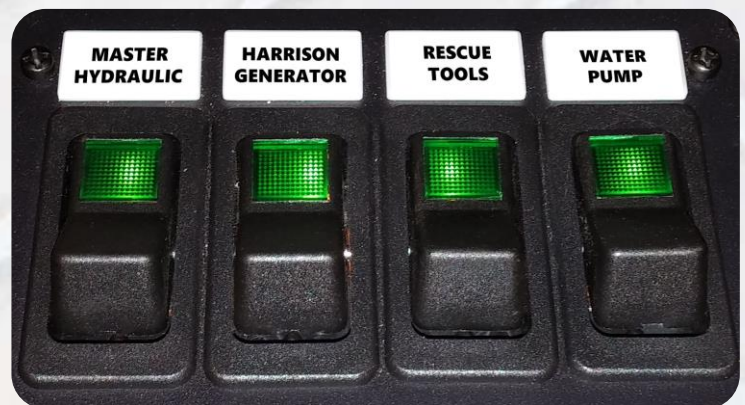


— **HYDRAULIC PUMP** —
MOUNTED ON THE PTO



HYDRAULIC POWER vs GAS POWER

- Gas can go bad in the can or in the tank
- Gas engines can run out of fuel at critical times
- Gas engines may not start every time
- Gas engines must be filled up over and over again, using many gallons of gas over the lifetime
- Gas engines will have a much shorter life span than a hydraulic motor
- Gas engines are NOT environmentally friendly



— **IHT IS SO SIMPLE**—
WITH THE FLIP OF A SWITCH YOU CAN GO TO WORK

Harrison has **CERTIFIED PARTNERS** with many types of on-board equipment. Shown are some of our Hydraulic Rescue Tool Pump partners and some of our Water Pump Partners.

They all offer their pumps with a variety of motors available; diesel engine, gas engine, electric motor and **HYDRAULIC MOTOR**.

The operation and plumbing of the pumps does not change with the motor chosen. The standard plumbing of reels, tools, hoses and nozzles will remain the same.

In addition to these **CERTIFIED PARTNERS**, Harrison has worked with many other product partners as well;

- Air compressors with hydraulic motors
- Hydraulic work tool pumps
- Hydraulic winches
- Hydraulic cranes

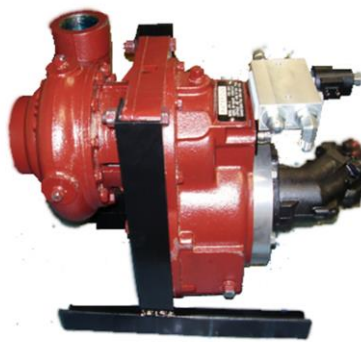
If you have products that could benefit from being outfitted with a hydraulic motor, contact a Harrison Regional Business Manager.



Darley Water Pump



Hale Water Pump



Waterous Water Pump



Holmatro Rescue Tool Pump



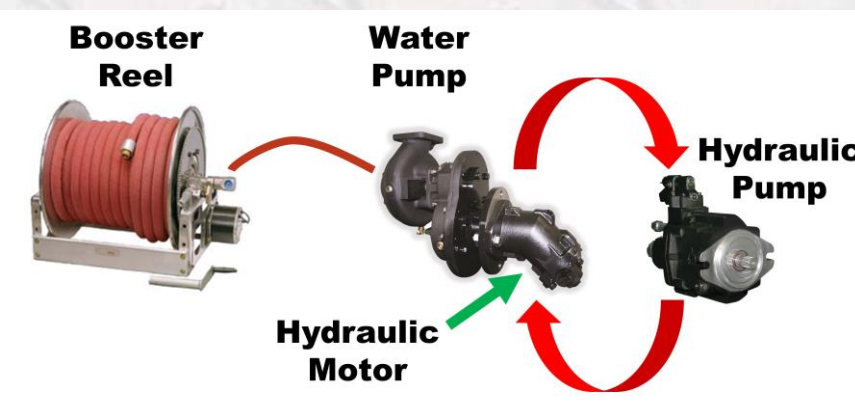
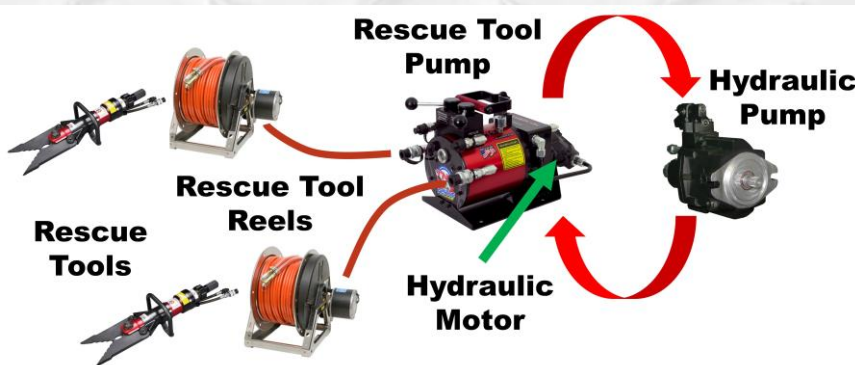
TNT Rescue Tool Pump



Genesis Rescue Tool Pump



Amkus Rescue Tool Pump

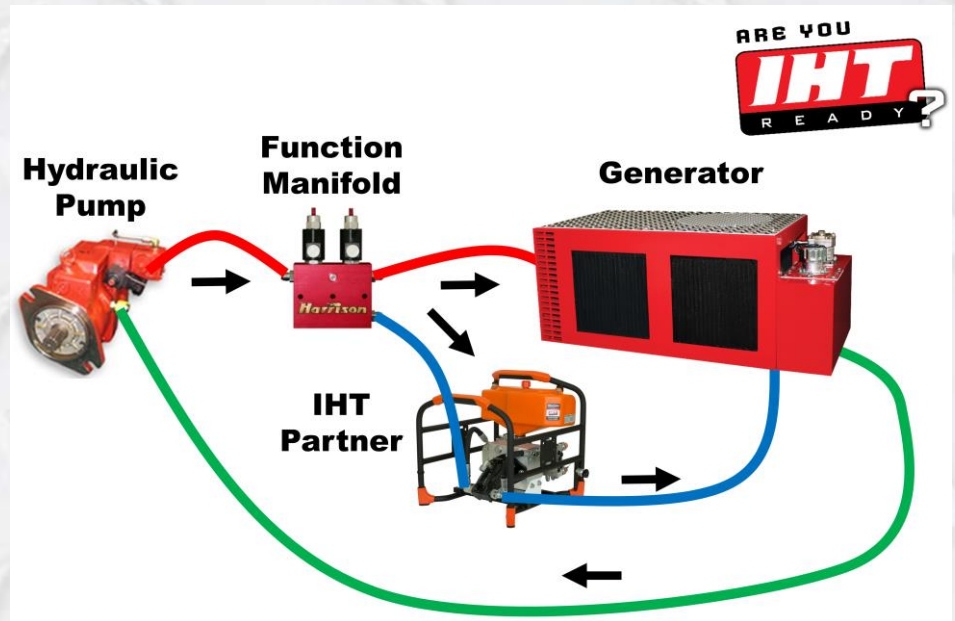


Harrison **INTEGRATED HYDRAULIC TECHNOLOGY** is available in two packages; **IHT-INTEGRATED** and **IHT-HQ**. Which system works best will depend upon a variety of factors.

- Is there a Harrison Generator on board? What product(s) are we driving with our hydraulic motor? How many PTO ports are available? What is the desired operation: at idle or at a high idle?

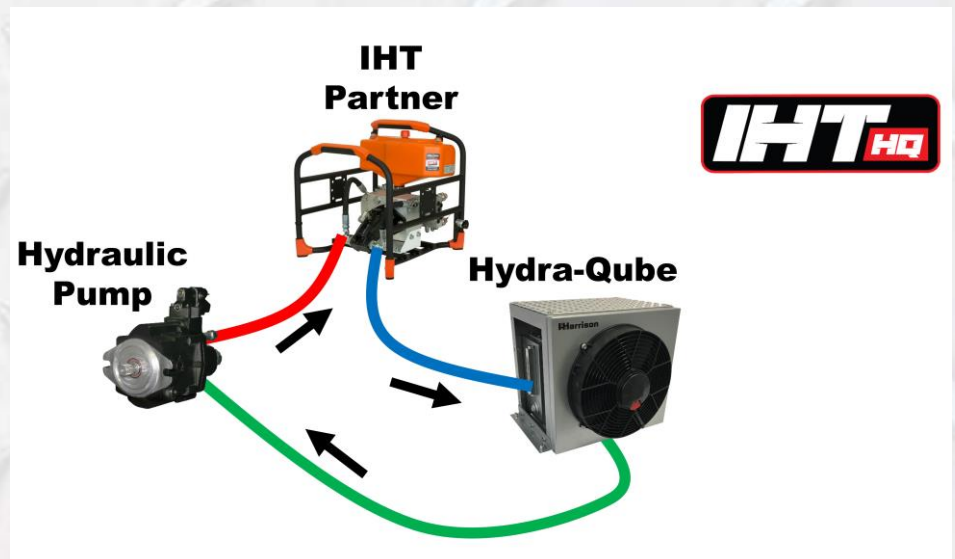
IHT-INTEGRATED is available on SELECT GENERATOR MODELS 6-10 KW.

- Both systems can be run off a single pump using the existing generator hydraulic system
- The reservoir and the heat exchanger are on the generator already
- Both systems can operate independently



IHT-HQ can be used with ANY HARRISON GENERATOR and can be USED WITHOUT A GENERATOR.

- IHT-HQ provides an Independent system for our Harrison partners
- IHT-HQ features the Hydra-Qube
- IHT-HQ offers the most flexibility of the two varieties of IHT
- If a Harrison Generator is used with IHT-HQ, the generator will operate independently from the IHT-HQ system



Why Change, Why Harrison, Why Now

Uncompromising Quality; you depend on your tools and equipment to help you do the job right the first time, and enable you to keep your word. That's not something we take lightly. We let our product speak for itself with our continuous business in the most demanding environments since 1969.



Harrison Hydra-Gen ®
14233 West Road | Houston, TX 77041
T: 800.723.3334 | O: 281.807.4420 | F: 281.807.4815
sales@harrisonhydragen.org | www.harrisonhydragen.com

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