



**WITTKE**

 **labrie**  
Labrie Enviroquip Group

**CNG**

**CNG READY  
SINCE 2001**

# THE WITTKE™ HISTORY



2003 Wittke Starlight™



2005 Labrie Optimizer™

**“Our Wittke Starlight™ frontloaders have proven to be efficient, dependable workhorses and the Digiload scaling systems are very accurate and easy to use.”**

Jim McGurl  
*Operations Manager-Collections  
Occupational Training Center  
of Burlington county*

**“I test drove a front end loader made by Labrie. The arms run very smoothly and I did not have any trash, boxes or debris fall over behind packing blade the two days I drove this truck. I have 29 years in solid waste field and this is the best front end loader I have seen or drove.”**

Joe White,  
*Operator  
City of Edmond, Oklahoma*

**“At Veolia, our Wittke Starlights™ are the most cost effective trucks in our frontloader fleet. With their lighter bodies, our Wittke™ allow us to pack more and extend our routes which save us time and money. The Digiload scale system is reliable, very accurate and the weigh in motion system saves us time.”**

Mario Gilbert,  
*Waste Collection Manager  
Veolia*

## **THE WITTKE™ HISTORY**

The Wittke™ name was established in western Canada through the 1980s and early 1990s, when Wittke gained market dominance as a manufacturer of commercial steel refuse containers from their base in Medicine Hat, Alberta, Canada. In the early 1990s Wittke™ developed a frontload refuse body called the Pegasus. Wittke continued to refine the product, and in the mid 90s launched the most productive frontloader in the refuse industry; the Starlight™. Targeted specifically for California and the western region of the U.S. and Canada, the Starlight™ featured a light tare weight, steel weldments of high tensile strength and quick cycle times. Wittke™ quickly sold more than 5,000 Starlight™ bodies, establishing the product as the industry leader. The Superduty™ – a body specifically designed for the stresses and payload requirements of the east coast market was then developed and introduced in the early 2000.

Upon acquiring the Wittke product line in 2006, Labrie took advantage of it's own front-end loader design and combined the best features of both products, adding Hardox steel, and reintroducing the newly enhanced Wittke front-end loader to the market with the fastest and smoothest arm cycle in the industry. Labrie then integrated the best design features of the two body models, and incorporated the structural advantages provided by Hardox steel.

# ANYTHING IS POSSIBLE WITH WITTKE™

Just because a frontloader needs to be rugged and strong doesn't mean it needs to be heavy. The Wittke™ body is built using 100% Hardox steel. This means the weight that isn't taken up in the body itself can be added to the payload. More waste in the payload means more cash in your pocket.

Wittke™ frontloaders are strong and dependable. With the fastest and smoothest arm cycle in the industry, your operation will be fast and clean.

The details incorporated into the Wittke™ design all contribute to decreased maintenance and ensure a solid, dependable frontloader that will last for years.

Lower maintenance costs will also help your bottom line.



# STARLIGHT

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**15,500 LBS**

**STARLIGHT™  
BODY  
WEIGHT**

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**10,000 LBS**

**LIFTING  
CAPACITY**

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**14 SEC.**

**LIFTING  
CYCLE**



Wittke Starlight™ is known for its agility. Its low body weight maximizes the legal payload capacity and its fast lifting cycle ensures rapid loading on the route. The Starlight™ tackles both residential and commercial routes with ease and with its low body weight, you will be able to collect more material, providing the highest legal payload ever on each collection.

# SUPERDUTY



Wittke Superduty™ is as rugged as they get. The 100% Hardox™ steel body delivers ultimate strength at the lowest possible body weight. The Wittke Superduty™ is the toughest of all frontloaders; engineered to require nominal maintenance and providing the lowest total cost of ownership.

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**16,500 LBS**  
SUPERDUTY™  
BODY  
WEIGHT

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**130,700 LBS**  
PACKER  
CYLINDER  
FORCE

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**20 SEC.**  
PACKING  
CYCLE

# "HARDOX IN MY BODY" CERTIFIED FRONTLOADERS



A high-quality product must be made from high-quality materials. Hardox 450 steel is strong yet light by design and has 5 times more abrasion resistance than mild steel. It is the ideal material to build a body that needs to be extremely rugged without giving up payload.

Witke™ offers "Hardox in my body" certified frontloaders. Both the Starlight™ and Superduty™ bodies are built using single sheets of Hardox steel, eliminating the risk of cracks and corrosion.

The benefit of building a body with such high-quality materials can result in an **8% average savings on maintenance costs alone** and with Hardox 450 providing the greatest tensile strength and lightest weight in its class, Witke™ frontloaders can also attain a minimum **5% higher legal payload**. This allows the operator to extend his route and increase revenues and Hardox steel enables these frontloaders to perform under the most extreme conditions.





# GET THE FASTEST CYCLE TIME WITH OUR POWERFUL HYDRAULIC DESIGN

Hydraulics provide the force behind any waste-collection vehicle. The Wittke™ hydraulic system has been carefully and thoughtfully engineered, right down to the corrosion-resistant zinc plating on the strategically placed hydraulic lines.

Wittke™ delivers the smoothest lifting arm operation and the quickest cycle time in the industry. The packing cycle takes a mere 18 to 20 seconds and

a complete arm cycle takes only 12 to 14 seconds, **increasing productivity by a minimum of 20 minutes per day.\*** The high flow hydraulic pump and deceleration valves have been used in combination to achieve the fastest and smoothest cycle times in the industry and our unique "work-at-idle" feature allows for the quietest early morning collection with no sacrifice to speed or compaction.

\*based on a 8 hour shift



## DURASCOPE™

### DURASCOPE PACKER CYLINDERS

Packer cylinders operate in one of the harshest environments for all waste hauling equipment. Constantly exposed to debris that can penetrate the seal and contaminate the hydraulic system, these revolutionary cylinders are equipped with:

- nitrated rods;
- an enhanced seal configuration;
- shavers that protect the cylinder from contamination.

Durascope cylinders will **reduce your maintenance costs by an average of 4%**. These details may be hidden, but they are what make the Wittke™ stand out from the rest.

### TAILGATE AUTO-LATCH

A tailgate that doesn't require any vertical movement to lock and seal will prevent additional stress and damage to the tailgate seal and improve its longevity. The tailgate on the Wittke™ frontloaders closes straight down and locks without any added friction that may cause premature wear. Wittke™ uses a simple design that improves tailgate seal longevity.



### **PLOW-SHAPED PACKER PANEL**

Debris should be directed into the body and not allowed to accumulate behind the packer. This is why the Wittke™ packer panel was designed with its innovative plow shape. **The panel angles are more efficient and result in a 12% higher compaction ratio and 25% lower cleaning costs.**

### **CHROMIUM OVERLAY**

If you want a truly low maintenance frontloader, the parts that receive the most wear need to be made from the strongest materials. That is exactly why we use packer panel wear shoes and tracks made with chromium overlay. These parts move hundreds of times per day, and a typical shoe and track set-up would need to be replaced every 4 to 5 years. **However, with our chromium overlay package, these parts will last over the entire life span of the vehicle.** The kind of detail we have put into the Wittke™ design is something you won't find on any other frontloader in the industry today.

### **CANOPY SWEEPER**

Lower your risk of leaving debris along the route. With a second lifting of the arms, debris can be swept back into the hopper and not allowed to fall on the ground. The canopy sweeper not only increases the operator's line of sight, but **it can save at least 30 minutes per week of labor.** Wittke™ frontloaders also have gutters strategically built into the canopies to direct the flow of fluid into the hopper thus limiting spillage over the windshield and the cab. Your customers will appreciate both the cleanliness provided by the unique canopy sweeper and gutter system designs.

# COLLECT STRATEGICALLY WITH DIGILOAD



When it comes down to it, optimizing waste collection is a numbers game. How much waste is each customer producing? How much payload is available on the truck? The only way to know is by weighing.

The DIGILOAD system has been designed to capture all the data you need without losing collection time and eliminating operator error. Strategically installed sensors detect the actual weight of the material in the waste bin while it is in motion.

This system eliminates repetitive calibration and lets the operator focus on more important tasks. With DIGILOAD you will be able to:

- calculate weight for each customer pick-up;
- charge according to weight;
- evaluate profitability;
- optimize your payload;
- organize your routes according to container weight.

## THE BENEFITS OF CHOOSING DIGILOAD OUTWEIGH THE COST:

- **OPTIMIZATION:** Collect data to better manage routes
- **SEAMLESS OPERATION:**
  - 98% accuracy for payload determination
  - Zero wait time to take a measurement
  - Eliminate operator error
- **INCREASED REVENUE:** Improve profitability by determining customer usage
- **LOW MAINTENANCE:** 10 times lower replacement sensor cost



# LABRIE CNG: DELIVERING A CLEANER WAY OF DOING BUSINESS SINCE 2001



With the high volatility of diesel prices, fuel choice has never been more important. At Labrie, we believe in greener, safer, smarter and more efficient waste collection vehicles. This is what we have been designing and building for the past 25 years.

We deliver the highest-quality, factory-installed compressed natural gas (CNG) solutions that are fully tested at our on-site CNG station. Our manufacturing expertise in CNG is passed along to you with every vehicle.

You benefit from a trusted source of expertise when it comes to converting to CNG.

## THE BENEFITS OF CHOOSING CNG ARE HUGE:

- **AFFORDABLE** : Substantially reduced fuel costs when compared to diesel
- **CLEAN**: 23% less Greenhouse Gas Emissions compared to diesel fuel
- **FOREIGN FUEL INDEPENDENCE**: 98% of fuel supplied from the U.S. and Canada
- **QUIET**: 10 decibels more quiet than a diesel truck

## WITTKETM CNG: EFFICIENCY AND RELIABILITY

- Integrated roof mounted design, 4 CNG tanks, 60 Diesel Gallon Equivalent
- Innovative placement of guard covers, delivering complete & easy access
- Lightest CNG frontloader in the industry for maximum legal payload

CNG

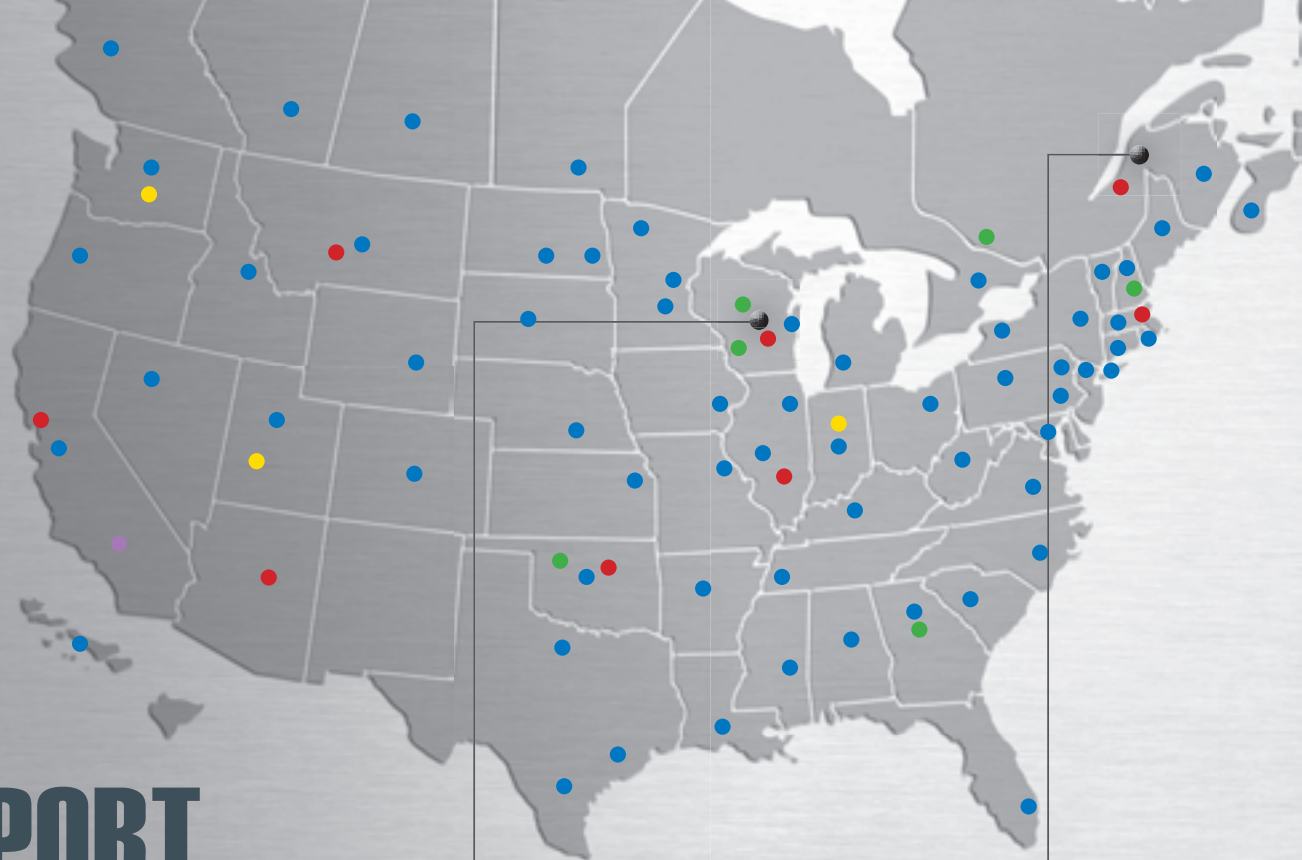
CNG READY  
SINCE 2001

# PREMIUM PRODUCTS COME WITH PREMIUM SUPPORT.

Labrie is committed to delivering the ultimate ownership experience throughout North America. Our pursuit of excellence continues long after a Leach™, Labrie™, Wittke™, Pendpac™ or Juggler™ is put into service.

## OUR NORTH AMERICAN NETWORK IS QUALITY DRIVEN:

- **Labrieplus 24/7 customer support system**, located in Oshkosh, Wisconsin, provides live assistance from a dedicated staff of professional representatives, quality replacement parts and premium hands-on field support to Labrie equipment owners. Peace of mind guaranteed.
- **A network of over 45 premium distributors** located throughout the United States and Canada are highly trained to assist you; providing a one-stop-shop for purchases, maintenance and warranty services.



labrieplus

labrie  
Labrie Equipment Group

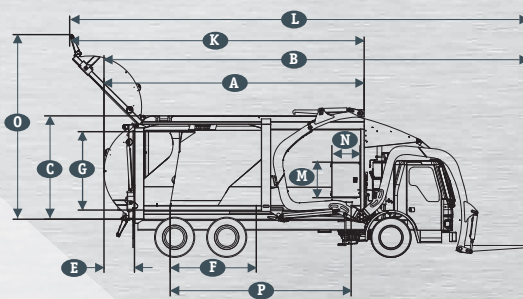
- 1 National Account Manager
- Over 45 Premium Distributors
- 8 Regional Sales Managers
- 6 Field Service Representatives
- 3 Technical Advisors / Demo Operators

Visit [www.labriegrup.com](http://www.labriegrup.com)  
to view our complete premium distributor network

## WITKE™

BODY DIMENSIONS		40 cu. yd. (31 m <sup>3</sup> )	BODY SPECIFICATIONS	STARLIGHT™	SUPERDUTY™	ARM SPECIFICATIONS	STARLIGHT™	SUPERDUTY™
A	O.A. length, forks up, travel position	292" (7,417 mm)	Curved Body floor	8ga HARDOX 450 rated at 175,000 psi	3/16" HARDOX 450 rated at 175,000 psi	Construction	High-strength steel 100,000 psi	
B	O.A. length, forks down	465" (11,811 mm)	Curved body sides	1/8" HARDOX 450 rated at 175,000 psi	3/16" HARDOX 450 rated at 175,000 psi	Lifting Capacity	8,000 lbs (Standard) 10,000 lbs (Option)	
C	O.A. height above frame, forks travel position	118" (2,997 mm)	Curved Roof	1/8" HARDOX 450 rated at 175,000 psi	8ga HARDOX 450 rated at 175,000 psi	<b>HYDRAULICS</b>		
D	O.A. width*	101" (2,564 mm)	Cab shield	Curved shape with front part hinged; 12ga rated at 50,000 psi		Operating pressure	2,500 psi	2,750 psi
E	Tailgate length	32" (813 mm)	Long sills	HSSR 6" x 2" x 1/4" rated at 50,000 psi		Pump	Gear Type 54 GPM @ 1500 RPM	
F	Packer ram stroke	91" (2,311 mm)	<b>TOTAL BODY CAPACITIES</b>			Directional valve	Parker, 5 sections with Air actuator	
G	Packer height	83 1/2" (2,121 mm)		32, 34, 36, 38, 40, 42 and 44 cu. yd.	38, 40, 42 and 44 cu. yd.	Packer controls	Auto-Pack Configuration	
H	Packer width*	82 1/4" (2,089 mm)	<b>HOPPER SPECIFICATIONS</b>			Arm and fork	Two handle joystick (Standard) Single four-way joystick (Option)	
I	Hopper opening length*	92" (2,337 mm)	Flat hopper floor	3/16" HARDOX 450 rated at 175,000 psi	1/4" HARDOX 450 rated at 175,000 psi	Hydraulic tank	Aluminum, capacity of 61 US gallons	
J	Hopper opening width*	80" (2,032 mm)	Curved hopper sides	8ga HARDOX 450 rated at 175,000 psi	3/16" HARDOX 450 rated at 175,000 psi	In-tank return filter	With dirt indicator / magnetic plug / level indicator	
K	O.A. length, tailgate raised travel position	329" (8,357 mm)	Long sills	HSSR 6" x 2" x 1/4" with "C" shape 3" x 2" x 3/8" rated at 50,000 psi		<b>CYLINDERS</b>		
L	O.A. length, tailgate raised forks down	502" (12,751 mm)	Access door opening; Hinge type	8 Gauge HARDOX 450, 32 1/2" wide x 39" high	3/16" HARDOX 450, 32 1/2" wide x 39" high	Packer	(2) telescopic cylinders, 170" stroke, three stages bore: 5 1/2", 4 1/2", 3 1/2"	
M	Hopper access door: height	39" (991 mm)	<b>TAILGATE SPECIFICATIONS</b>			Top hopper door	(1) double-acting cylinder bore 2.5" x 92" stroke and rod 1.5"	
N	Hopper access door: width	32 1/2" (826 mm)	Curved bubble tailgate	1/8" HARDOX 450 rated at 175,000 psi	8ga HARDOX 450 rated at 175,000 psi	Forks	(2) double-acting cylinders bore 3 1/2" x 19" stroke and 1 3/4" rod diameter	
O	O.A. height above frame, tailgate raised; forks travel position	183" (4,648 mm)	<b>PACKER SPECIFICATIONS</b>			Lift arms	(2) double-acting cylinders bore 4.5" x 45 3/8" stroke and 2" rod	
P	Eject panel travel	191 1/4" (4858 mm)	Opening	Top hinged		Tailgate	(2) double-acting cylinders bore 2.5" x 39" stroke, rod 1.75"	

\* Not shown on drawing



Anti-leak rubber seal	At bottom and 42 1/4" on each side	
Locks	(2) Automatic tailgate latches on either side	
Capacity	2, 4 & 6 (6 cu. yd. standard)	
Type	Full-eject type, full height with dual double-acting telescopic cylinders; criss-cross configuration	
Upper face plate	8 Gauge, HARDOX 450 rated at 175,000 psi	
Bottom face plate	3/16" HARDOX 450 rated at 175,000 psi	1/4" HARDOX 450 rated at 175,000 psi
Blocks for cylinder pin attachment	Split type, bolted for easy service and maintenance	

PRODUCTIVITY DATA		
Packer cylinders' force	118,800 lbs at 2,500 psi	130,700 lbs at 2,750 psi
Packer cycle time	20 sec. at 1,500 rpm	
Lifting arms' cycle time	14 sec. at 1,500 rpm	
Fork cycle time	4 sec. at 1,500 rpm	
Eject-panel cycle time	33 sec. at 1,500 rpm	
Top door opening	11 sec. at 1,500 rpm	
Body tare weight 40 cu. yd.	15,500 lbs	16,500 lbs



## LABRIE ENVIROQUIP GROUP

**Labrie Enviroquip Group is one of the largest manufacturer's of refuse and recycling collection vehicles in North America.** Our product lines of Labrie, Leach, Wittke, Pendpac and Juggler are renowned to be the most reliable, efficient, productive, and innovative in the solid waste industry today.

Throughout our history, we have been recognized for the design and production of the highest quality vehicles available on the market, while our customers benefit from a single trusted source of engineering expertise. At Labrie we continually push the boundaries of innovation to provide a

greener, safer, smarter and more efficient way of waste management and collection. We are committed to building and delivering the finest refuse collection equipment in the industry to suit all of your collection needs.

With the strongest dealer network in the industry (over 45 distribution points across the continent), its stock and demo program, engineering input, and the Labrieplus 24/7 customer support center, Labrie Enviroquip Group strives to deliver the ultimate ownership experience by standing behind every product it builds to exceed the expectation of each and every customer it serves.

**Labrieplus** is Labrie's full service customer support center located in Oshkosh, Wisconsin. Its mission is to provide quality replacement parts and premium hands-on field support to Labrie equipment owners. Labrieplus is a single source for Labrie, Leach, Wittke, Pendpac and Juggler OEM and selected all makes parts. Labrieplus offers live assistance from a dedicated staff of professional representatives who support relationships between dealers, customers and factories

Labrie is certified ISO 9001-2008 and attests to the quality of these products. Labrie has made every reasonable effort to ensure that the information contained in this brochure is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify designs, characteristics and products at any time. Contact Labrie for prices and options or to obtain the phone number of your local Labrie distributor. For the most recent version of our spec sheets, please go to Labrie website at [www.labriegrup.com](http://www.labriegrup.com). In case of discrepancy, the Web version takes precedence over any printed literature.

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