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 pay-load 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 font-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.

SUPERDUTY
1297
HARDOX
WITTKE

WITTKE
labrie
labrie

STARLIGHT X

15,500 LBS
STARLIGHT™
BODY
WEIGHT

10,000 LBS
LIFTING
CAPACITY*

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.

** Optional*

SUPERDUTY

16,700 LBS
SUPERDUTY™ BODY WEIGHT

130,700 LBS
PACKER CYLINDER FORCE

20 SEC.
PACKING CYCLE

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.

"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.

Wittke™ 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, Wittke™ 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.

CERTIFIED
HARDOX® IN MY BODY
CERTIFIED

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.

** Optional*

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.

** Optional*

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

*Optional

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

WITTKE™ CNG: EFFICIENCY AND RELIABILITY

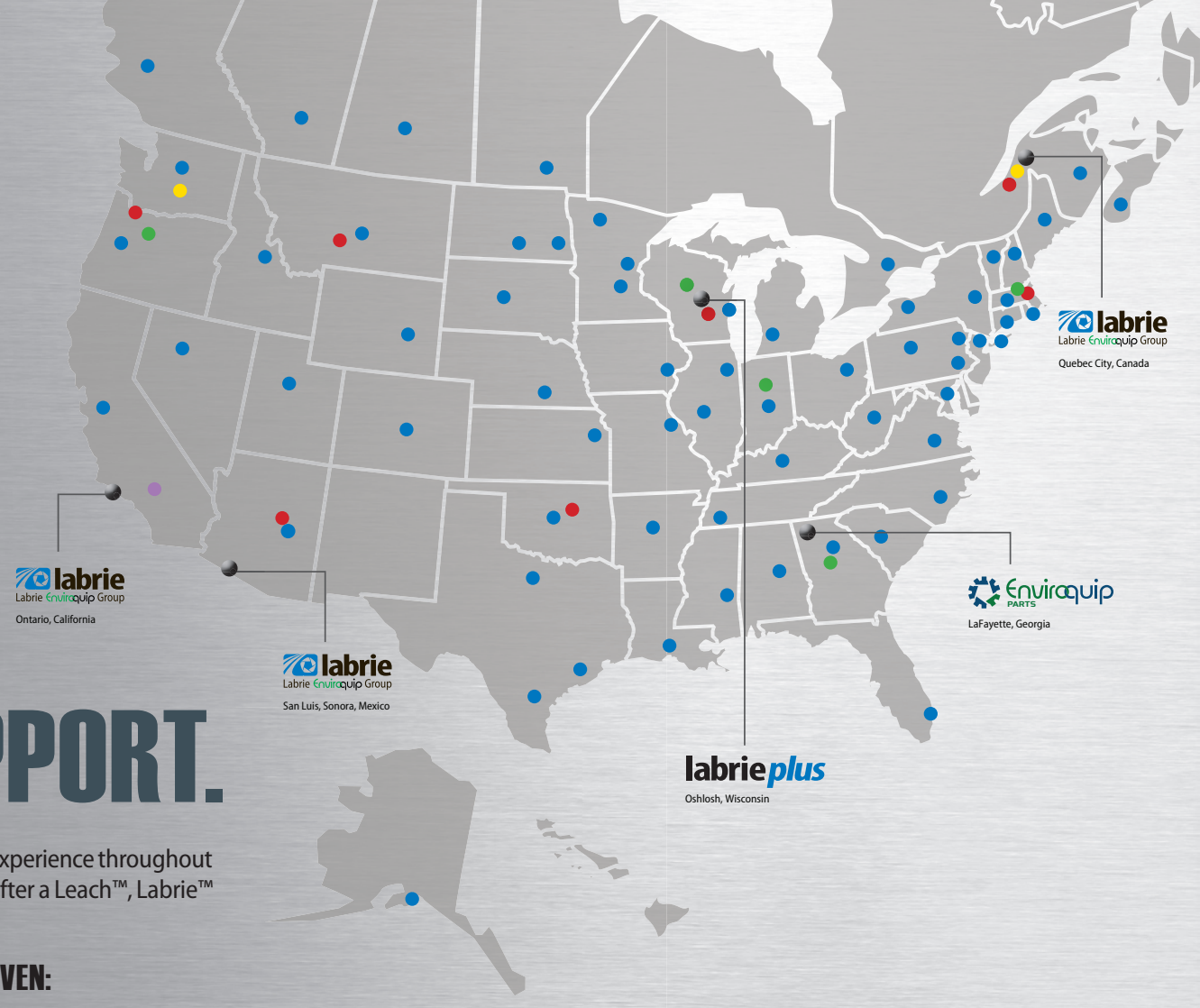
- Integrated roof mounted design, 4 or 5 tanks, 60 to 75 DGE*
- Innovative placement of guard covers, delivering complete & easy access
- Lightest CNG frontloader in the industry for maximum legal payload

** other setups available (up to 97DGE)*

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™ or Wittke™ is put into service.

OUR NORTH AMERICAN NETWORK IS QUALITY DRIVEN:

- **Labrieplus 24/7 customer support system,** provides quality replacement parts, premium hands-on field and live assistance. 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 live assistance from a dedicated staff of professional representatives to support all of our Leach™, Labrie™ and Wittke™ products.

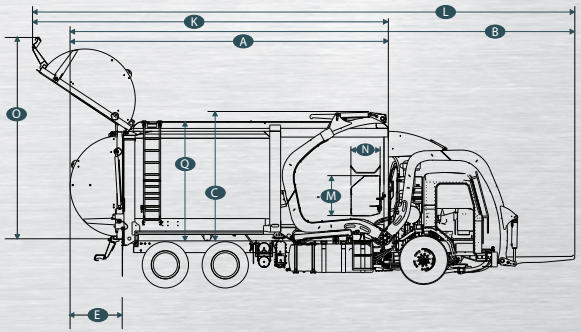
- **Over 60 Premium Distributor Locations**
- **7 Regional Sales Managers**
- **7 Field Service Representatives**
- **2 Technical Advisors / Demo Operators**
- **1 National Account Manager**

Visit **www.labriegroup.com**
to view a complete listing of our premium distributor network

WITTKE™

BODY DIMENSIONS		40 cu. yd. (31 m³)
A	Overall Length (Arms/Forks Up, Travel Position)	292-3/16" (7,422 mm)
B	Overall Length (Arms/Forks Down)	461" (11,709 mm)
C	Overall Height Above Chassis (Arms/Forks Up, Travel Position)	118" (2,997 mm)
D	Overall Width *	101" (2,565 mm)
E	Tailgate Length	49-7/16" (1256 mm)
I	Hopper Opening Length *	91" (2,311 mm)
J	Hopper Opening Width *	80" (2,032 mm)
K	Overall Length (Tailgate Raised, Arms/Forks Up, Travel Position)	322-1/4" (8,185 mm)
L	Overall Length (Tailgate Raised, Arms/Forks Down)	491" (12,471 mm)
M	Hopper Access Door Height	36-13/16" (935 mm)
N	Hopper Access Door Width	26-7/16" (672 mm)
O	Overall Height Above Chassis (Tailgate Raised, Arms/Forks Up, Travel Position)	176-13/16" (4,491 mm)
Q	Overall Height Above Chassis (Arms/Forks Down)	109-1/2" (2,781 mm)

** Not shown on drawing*



WITTKE

BODY CONSTRUCTION	STARLIGHT		SUPERDUTY	
Body Walls (Curved One Piece)	1/8" (3.2 mm)	175,000 psi (Hardox 450)	0,156" (4.0 mm)	175,000 psi (Hardox 450)
Body Roof (Curved One Piece)	1/8" (3.2 mm)	175,000 psi (Hardox 450)	0,156" (4.0 mm)	175,000 psi (Hardox 450)
Body Floor (Curved One Piece)	0,156" (4.0 mm)	175,000 psi (Hardox 450)	3/16" (4.8 mm)	175,000 psi (Hardox 450)
Canope	12 GA	50,000 psi	12 GA	50,000 psi
Body Total Capacities (Tailgate & Hopper Included)	32, 34, 36, 38, 40, 42 & 44 yd³		38, 40, 42 & 44 yd³	
HOPPER CONSTRUCTION	**STARLIGHT**		**SUPERDUTY**	
Hopper Floor (Flat One Piece)	3/16" (4.8 mm)	175,000 psi (Hardox 450)	1/4" (6.4 mm)	175,000 psi (Hardox 450)
Hopper Walls (Curved One Piece)	0,156" (4.0 mm)	175,000 psi (Hardox 450)	3/16" (4.8 mm)	175,000 psi (Hardox 450)
Access Door (Hinged with upper & lower locks)	0,156" (4.0 mm)	175,000 psi (Hardox 450)	3/16" (4.8 mm)	175,000 psi (Hardox 450)
Top Door	14 GA STD (10 GA optional)	50,000 psi	14 GA STD (10 GA optional)	50,000 psi
PACKER CONSTRUCTION	**STARLIGHT**		**SUPERDUTY**	
Type	Full Eject		Full Eject	
Upper Face Plate (One Piece)	0,156" (4.0 mm)	175,000 psi (Hardox 450)	0,156" (4.0 mm)	175,000 psi (Hardox 450)
Lower Face Plate	1/4" (6.4 mm)	175,000 psi (Hardox 450)	1/4" (6.4 mm)	175,000 psi (Hardox 450)
TAILGATE CONSTRUCTION	**STARLIGHT**		**SUPERDUTY**	
Curved Face	1/8" (3.2 mm)	175,000 psi (Hardox 450)	0,156" (4.0 mm)	175,000 psi (Hardox 450)
Slide-In Rubber Seal Height (Seal on tailgate, Not on Body, No Tailgate Vertical Move Open or Close)	37" (940.0 mm)	STD	37" (940.0 mm)	STD
Latches	Hydraulic latches on both sides		Hydraulic latches on both sides	
Tailgate Capacities	2, 4 & 6 yd³		2, 4 & 6 yd³	
ARMS CONSTRUCTION	**STARLIGHT**		**SUPERDUTY**	
Steel	1/4" (6.4 mm) & 1/2" (12.7 mm)	100,000 psi	1/4" (6.4 mm) & 1/2" (12.7 mm)	100,000 psi
Lifting Capacity	8,000 lbs STD (10,000 lbs optional)		8,000 lbs STD (10,000 lbs optional)	
FORKS CONSTRUCTION	**STARLIGHT**		**SUPERDUTY**	
Steel	1,0" (25.4 mm)	100,000 psi	1,5" (38.1 mm)	100,000 psi
HYDRAULICS	**STARLIGHT**		**SUPERDUTY**	
Operating Pressure	2,500 psi		2,750 psi	
STD Pump	Gear Type 54 GPM @ 1500 RPM		Gear Type 54 GPM @ 1500 RPM	
Directional Valve	Parker, 5 Sections with Air Actuator		Parker, 5 Sections with Air Actuator	
Packer Controls	In Cab STD Packer Controls (Stop, Pack, Retract & Eject)		In Cab STD Packer Controls (Stop, Pack, Retract & Eject)	
Arms/Forks Controls	In Cab STD Twinstick (Joystick optional)		In Cab STD Twinstick (Joystick optional)	
Hydraulic Tank Capacity	Aluminum, chassis mount, 60 Gallons		Aluminum, chassis mount, 60 Gallons	
Return Filter	In Tank Return Filter		In Tank Return Filter	
Oil Level Gauge	Mounted on Tank		Mounted on Tank	
CYLINDERS	**STARLIGHT & SUPERDUTY**			
Packer	BODY SIZE (Body + Hopper)		STAGES	SIZE
	30 yd³ Body (Body + Hopper)		3	5-1/2" x 4-1/2" x 3-1/2"
	34 yd³ Body (Body + Hopper)		3	5-1/2" x 4-1/2" x 3-1/2"
	38 yd³ Body (Body + Hopper)		3	5-1/2" x 4-1/2" x 3-1/2"
Packer Cylinders Force	STARLIGHT	118,800 lbs	SUPERDUTY	130,700 lbs
Top Door	2-1/2" Bore		2-1/2" Bore	
Forks	3-1/2" Bore		3-1/2" Bore	
Arms	4-1/2" Bore		4-1/2" Bore	
Tailgate	2-1/2" Bore		2-1/2" Bore	
CYCLE TIMES @ 1500 RPM	**STARLIGHT & SUPERDUTY**			
Packer	19 - 24 sec			
Eject	32 - 34 sec			
Arms	11 - 14 sec			
Forks	3 - 5 sec			
Top Door	11 sec			

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, and Wittke 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), our stock and demo program, engineering expertise, and the Labrieplus 24/7 customer support center, Labrie delivers the ultimate ownership experience. Labrieplus is Labrie's full service customer support center located in the U.S. Its mission is to provide quality replacement parts and premium hands-on field support to Labrie equipment owners. Labrieplus is the single source for Labrie, Leach, Wittke and Pendpac OEM and selected all makes of parts.

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.labriegroup.com. In case of discrepancy, the Web version takes precedence over any printed literature.
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labrie
Labrie Enviroquip Group

Labrie (Head Office)
175-B, route Marie-Victorin,
Levis, Quebec, Canada G7A 2T3

Toll free: 800 463-6638 info@labriegroup.com
Phone: 418 831-8250 www.labriegroup.com
Fax: 418 831-5255

Enviroquip PARTS

Enviroquip Parts
1198 Shattuck Industrial Bvld,
Lafayette, GA, 30728
Phone: 706-638-2467 Toll free: 800 231-2771
Fax: 706-639-9275
www.labrieplus.com www.partseq.com

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