



PIERCE

FOREST  
PRODUCTS



PIERCE





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# PIERCE

WE'VE  
BUILT  
EXCELLENCE  
OVER  
TIME.



**P** PIERCE-PACIFIC  
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**P**  
PIERCE

# PIERCE





## IMAGINE MORE POSSIBILITIES.

Since 1931, the professionals at Pierce have been designing, engineering, manufacturing and supporting forest products that meet the demands of the forest industry and the equally demanding needs of our logging customers. With expertise in cutting, yarding and shovel logging, as well as processing, loading and high decking, our forestry knowledge is vast, comprehensive, and always growing.

No matter how challenging or specific your needs, count on Pierce to deliver virtually anything you can possibly imagine.

That's what "Pierce Built, Pierce Backed" is all about.

## AMERICAN MADE

And, unlike others who manufacture their products outside the U.S., Pierce products are 100% designed and built in Portland, Oregon.

Don't feel forced to buy foreign. Especially when you can invest in a U.S. company to build your purpose-built equipment.



# FORESTRY CONVERSION



## SETTING THE STANDARD.

Pierce forestry configurations are the standard by which all others are measured. In fact, several manufacturers have even tried to copy our designs. But Pierce is in a class by themselves. Each one is designed and built to handle the long-term wear and tear demanded by North American loggers and forestry conditions. In fact, we challenge any other manufacturer to know and understand North America's forests as well as we do!

Pierce forestry configurations mean you can count on top-tier equipment with full product support and fast delivery on all service parts. Three more great reasons why our forestry machines have set the standard in the woods for decades.

All Pierce products are built right here in the U.S., which means you can expect rugged construction, plus top-notch support, years of experience, and fast delivery on all service parts. Try getting all that from any other manufacturer!

## COMPLETE THE PACKAGE WITH PIERCE.

Designed to accompany the boom, Pierce provides a complete forestry conversion solution as well that is equal to or better than any log loader on the market today. And if our standard configurations don't suit your operation, Pierce can customize the machine to your exact application criteria.

Don't feel forced to buy a factory log loader. Especially when you can invest in a U.S. company to build your purpose-built machine in an optimized, and perhaps custom configuration suited specifically for you.

### FORESTRY CONVERSION INCLUDES:

- Forestry boom equipped with larger cylinders and plumbed for grapple.
- Cab riser and cab guard.
- High and wide undercarriage for optimum stability and ground clearance.
- Hevey duty guarding package.
- Heavy counterweight for additional stability.
- Rotate circuit for grapple operation.

# FORESTRY CONVERSION

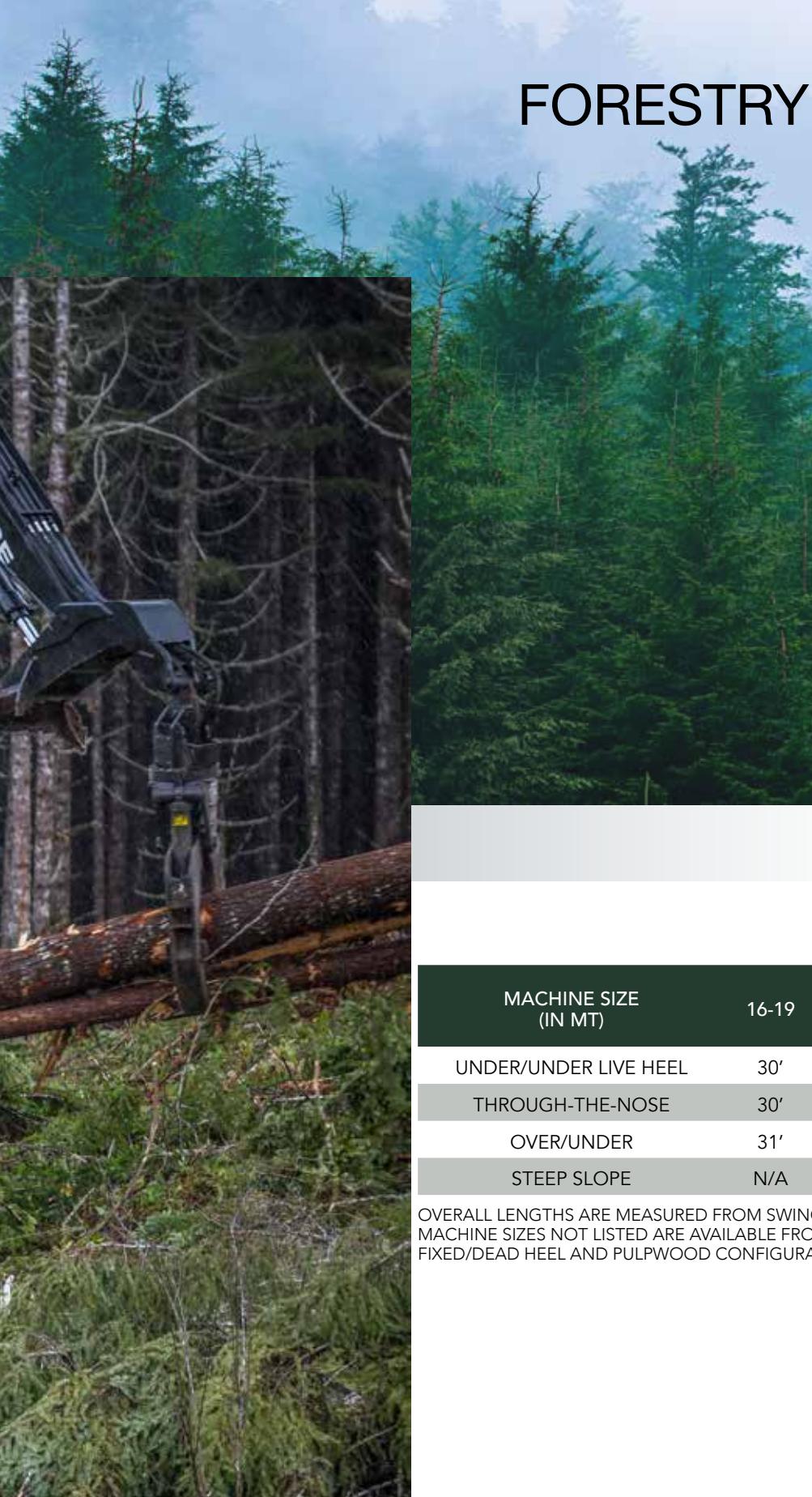
## LIVE HEEL

Pierce Live Heel forestry booms offer optimum working range for close-in log handling, long reach for stacking and loading, and superior above grade, as well as "down-over-the-bank" dexterity. Solid construction gives you the added confidence of knowing that this hard-working boom will make the most of your investment season after season.

And for steep slope applications, consider mounting to a leveling feller buncher where you can operate in conjunction with a tethering system allowing you to virtually eliminate dangerous and costly hand cutting.



# FORESTRY CONVERSION



## CONFIGURATIONS AVAILABLE:

- Standard under/under.
- Through-the-nose.
- Over/under.
- Steep slope.

## BENEFITS:

- Longer reach.
- Greater vertical reach.
- Increased "down-over-the-bank" reach.
- Greater lifting capacity with oversized cylinders.

## INCLUDES:

- 4 high pressure cylinders.
- Stick cylinder guard.
- 2 light guards on stick.
- Oversized pins and bushings.
- O-ring face seal plumbing connections.
- Centralized lubrication.

## OPTIONS:

- Hoist cylinder guard.
- Anti-drift ball valve.
- Hose burst check valves.
- LED lights.
- Internal stick plumbing.  
-Steep slope conversion only.
- Auxiliary processor or felling head plumbing.

MACHINE SIZE (IN MT)	16-19	20-21	24-26	27-31	35-39	40-52
UNDER/UNDER LIVE HEEL	30'	36'	38'	40'	42'-44'	50'
THROUGH-THE-NOSE	30'	36'	38'	40'	42'-44'	50'
OVER/UNDER	31'	37'	39'	41'	44'-46'	51', 57'
STEEP SLOPE	N/A	N/A	34'	36'	38'	N/A

OVERALL LENGTHS ARE MEASURED FROM SWING CENTER TO HEEL TIP.

MACHINE SIZES NOT LISTED ARE AVAILABLE FROM PIERCE AS FORESTRY MACHINES UPON REQUEST.  
FIXED/DEAD HEEL AND PULPWOOD CONFIGURATION ARE AVAILABLE WHERE A LIVE HEEL IS NOT REQUIRED.



# FORESTRY CONVERSION

## BUTT N TOP

All Pierce Butt N Top forestry booms are plumbed for “valve-in-head” grapples. However, if you prefer a “valve-on-machine” configuration, Pierce can add the additional plumbing required right at the factory.

Our booms come with a standard straight main boom configuration—or, for better under boom loading visibility, choose our cambered main boom configuration.

### CONFIGURATIONS AVAILABLE:

- Straight main boom.
- Cambered main boom.

### BENEFITS:

- Longer reach.
- Greater vertical reach.
- Increased “down-over-the-bank” reach.
- Greater lifting capacity with oversized cylinders.

### INCLUDES:

- 3 high pressure cylinders.
- Stick cylinder guard.
- Grapple cylinder anchor.
- 2 light guards on stick.
- Oversized pins and bushings.
- O-ring face seal plumbing connections.
- Centralized lubrication.

### OPTIONS:

- Hoist cylinder guard.
- Valve-on-machine plumbing package.
- BNT installation control kit.
- Anti-drift ball valve.
- Hose burst check valves.
- LED lights.

### NOT INCLUDED:

- Grapple cylinder.
- Grapple hoses.



MACHINE SIZE (IN MT)	16-19	20-21	24-26	27-31	35-39	40-52
BUTT N TOP	28'	34'	36'	38'	40'-41'	46'

OVERALL LENGTHS ARE MEASURED FROM SWING CENTER TO HEEL TIP.  
MACHINE SIZES NOT LISTED ARE AVAILABLE FROM PIERCE AS FORESTRY MACHINES UPON REQUEST.



# FORESTRY CONVERSION

## HARVESTER/PROCESSOR PROFITABILITY WITHIN RANGE.

Stop limiting your production by limiting your working range. After all, you wouldn't put a processor on a machine designed to dig, right?

Pierce harvester/processor booms are specially designed and built to maximize your working range, as well as your capacity for thinning, clear-cutting and landing-based processing.

Our booms feature a two-piece configuration consisting of a straight main boom section and a long, droop-nose stick. Pierce booms are engineered for optimum performance with any harvester/processor head in the woods or at roadside. And our wide range of sizes are available from a 20 metric ton thinning machine to a 39 metric ton big timber processor. And for in the woods shovel logging, inquire about our buncher mounted live heel forestry boom.

Now you no longer have to settle for "good enough." Because in today's competitive environment, it isn't.



# FORESTRY CONVERSION



## HARVESTER/PROCESSOR

### CONFIGURATIONS AVAILABLE:

- 2 piece droop-nose.
- Live Heel.

### BENEFITS:

- Longer reach than traditional excavator or buncher booms.
- Greater vertical reach.
- Increased "down-over-the-bank" reach.
- Greater lifting capacity with oversized cylinders.
- Optimum processor working range, as opposed to excavator booms designed for digging.
- Use with any processor brand.

### INCLUDES:

- 3 high pressure cylinders.  
- If live heel, then 4 cylinders.
- Stick cylinder guard.
- 2 light guards on stick.
- Oversized pins and bushings.
- O-ring face seal plumbing connections.
- Centralized lubrication.

### OPTIONS:

- Hoist cylinder guard.
- Anti-drift ball valve.
- Hose burst check valves.
- LED lights.
- Internal stick plumbing.
- Auxiliary processor or felling head plumbing.

MACHINE SIZE (IN MT)	27-31	35-39
2-PIECE DROOP NOSE	32'	34'
UNDER/UNDER LIVE HEEL	36'	38'

OVERALL LENGTHS ARE MEASURED FROM SWING CENTER TO HEEL TIP.  
MACHINE SIZES NOT LISTED ARE AVAILABLE FROM PIERCE UPON REQUEST.



# FORESTRY CONVERSION

## MILLYARD/SORTYARD

### THE RIGHT BOOM FOR THE JOB.

At Pierce, we realize that each yard is unique and has different decking and worksite requirements. That's why we provide the optimum configuration to meet your specific needs.

After all, why settle for an off-the-shelf loader when you can get exactly what your yard requires?



# FORESTRY CONVERSION

## MILLYARD/SORTYARD

### CONFIGURATIONS AVAILABLE:

- Standard under/under.
- Through-the-nose.
- Over/under.
- 2-piece Butt N Top.
- 3-piece Butt N Top.

### BENEFITS:

- Longer reach.
- Greater vertical reach.
- Increased “down-over-the-bank” reach.
- Greater lifting capacity with oversized cylinders.

### INCLUDES:

- High pressure cylinders.
- Stick cylinder guard.
- 2 light guards on stick.
- Oversized pins and bushings.
- O-ring face seal plumbing connections.
- Centralized lubrication.
- Live heel: grapple hoses.
- BNT: Grapple cylinder anchor.

### LIVE HEEL



UNDER/UNDER



OVER/UNDER

### BUTT N TOP



2-PIECE



3-PIECE

### OPTIONS:

- Hoist cylinder guard.
- Valve-on-machine plumbing package.  
(For BNT configuration only).
- BNT installation control kit.  
(For BNT configuration only).
- Anti-drift ball valve.
- Hose burst check valves.
- LED lights.

MACHINE SIZE (IN MT)	35-39	40-52	60-75
<b>LIVE HEEL</b>			
UNDER/UNDER	42'-44'	50'	52'
DECKING HEIGHT	33'-35'	35'	43'
OVER/UNDER	44'-46'	51', 57'	61'
DECKING HEIGHT	36'-38'	41', 47'	51'
<b>BUTT N TOP</b>			
2-PIECE	40'-41'	46'	48'
DECKING HEIGHT	32'-33'	34'	38'
3-PIECE	N/A	55'	N/A
DECKING HEIGHT		49'	

OVERALL LENGTHS ARE MEASURED FROM SWING CENTER TO HEEL TIP.  
MACHINE SIZES NOT LISTED ARE AVAILABLE FROM PIERCE UPON REQUEST.  
DECKING HEIGHT MEASURED TO TOP OF LOG.  
DECKING HEIGHT MAY VARY BETWEEN EXCAVATOR BRAND AND MODEL.



# FORESTRY CONVERSION



## EXCAVATOR GUARDING

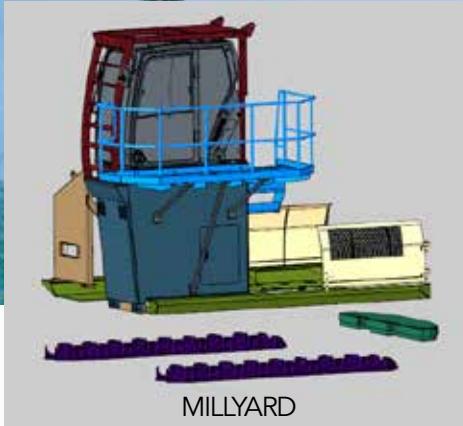
EXTEND THE  
LIFE OF YOUR  
MACHINE.



Armor your  
machine with  
purpose-built  
forestry guarding  
that will extend the  
service life of your  
equipment. Select a  
guarding package,  
or individual options  
to suit your needs.

# FORESTRY CONVERSION

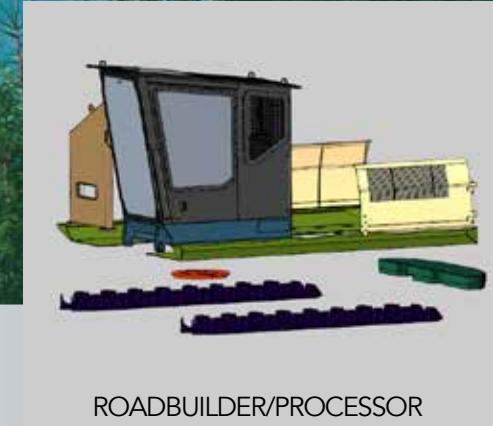
## EXCAVATOR GUARDING



MILLYARD



LOGGER



ROADBUILDER/PROCESSOR

### CABS:

- Cab guard
- Cab riser

### UPPER:

- Heavy duty underhouse guards
- Heavy duty catwalks
- Heavy duty pump & radiator doors
- Right hand corner log deflector
- Optional: hockey stick
- Additional counterweight

### UPPER



ADDITIONAL COUNTERWEIGHT



HD CATWALKS & UNDERHOUSE GUARDS



HD PUMP & RADIATOR DOORS



RIGHT FRONT LOG DEFLECTER

### LOWER:

- High and wide undercarriage (high walker)
- Idler reinforcement
- Heavy-duty top rollers
- Heavy-duty travel motor covers
- Heavy-duty Swivel guard
- Heavy-duty Rock guards

### HYDRAULIC & ELECTRICAL:

- Grapple system (open/close/rotate)
- Grapple circuit control valve
- Auxiliary plumbing
- LED light package

### LOWER



HIGH WALKER



ROCK GUARDS



HD TOP ROLLERS



IDLER REINFORCEMENT

### ATTACHMENT:

- Heel rack for excavator
- Boom lift kit: repositions hoist cylinders
  - Saddle mount
  - Boom adapter
- Droop nose/nose cone: for excavator mounted processor

### ATTACHMENTS



BOOM LIFT KIT: SADDLE



BOOM LIFT KIT: ADAPTER



DROOP NOSE



HEEL RACK FOR EXCAVATOR



# PARALIFT

HIGH PERFORMANCE  
SIMPLY  
UNMATCHED.

Pierce's long history of high-lift Paralifts reach back to the design's inception—and long before European loaders were even involved in log yards. Since then, Pierce has continued to improve on the original design, resulting in hi-lift loaders that offer unsurpassed reliability and performance. In fact many of them have logged well over 50,000 hours!

Pierce's experience has led to countless purpose-built, loaders for handling shortwood—all designed to maintain high visibility for safe and efficient throughput. And with a variety of grapple options suitable for 8' to 16' logs, Pierce Paralifts will likely meet just about any log yard requirement. And should your yard have even greater payload and production requirements, look to Pierce for the only provider of the largest hi-lift loader...the 55-225 Paralift!

# PARALIFT



Our paralifts are uniquely designed for handling shortwood, while maintaining high visibility for safe and efficient productivity.

- Over 35 years of history.
- Extended life expectancy.
- 2 sizes available.
- Unsurpassed reliability and performance.
- Select the loader of your choice.

#### INCLUDES:

- Bolt-on base bracket.
- Screened main boom and (2) cylinders.
- Auxiliary boom and (2) cylinders.
- Mechanical swivel joint.
- Fore/aft retaining cylinders with lock position.
- Hydraulic cylinders and controls.
- Central lubrication system.
- Railings, frame lights, cabin mirror and light modifications.
- Heavy-duty front steel fenders.
- Hydraulic & electrical installation kit.

#### ALL GRAPPLES FEATURE:

- Dual axis grapple pivot.
- Swing motor guarding.
- Inside grapple arm plating.
- Continuous 360° rotation.

#### OPTIONS:

- Grapple retaining chain.
- Mechanical kit with or without friction dampener.
- LED light package.
- Log pusher.

#### LOADER TO BE EQUIPPED WITH:

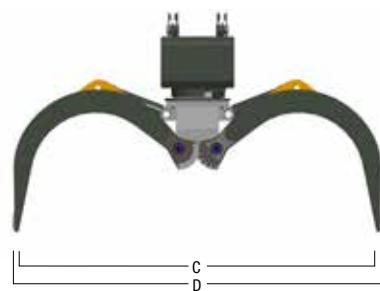
- Bare front frame-no boom and arm (linkage, cylinder, pin, bucket, etc).
- Maximum permissible counterweight.
- Forestry configuration.
- 3 spool control (attachment) valve.
- (2) axis joysticks and (1) 3rd function control lever.
- 45-150: Rigid wall 26.5" X 25 rated L3-20 ply tires.
- 55-225: Rigid wall 29.5" X 25 rated L3-20 ply tires.



# PARALIFT



45-150				55-225					
	RL11	RL22	RL24	RX22	RX30	RX34	RX38	RX42	
GRAPPLE AREA	ft <sup>2</sup>	11.98	24.08	26.3	24	32.2	36.1	41	45
	m <sup>2</sup>	1.1	2.2	2.4	2.2	3.0	3.4	3.8	4.2
A GRAPPLE WEIGHT	lb	5125	5608	5774	5800	6520	6588	6838	7025
	kg	2330	2549	2625	2636	2964	2995	3108	3193
B MINIMUM OPENING	in	52.5	72	73.5	72	82.5	86.5	93.5	96
	mm	1334	1829	1867	1829	2096	2197	2375	2438
C OVERALL WIDTH, CLOSED	in	68.5	89	90	92	104.5	110.5	118.5	121
	mm	1740	2261	2286	2337	2654	2807	3010	3073
D GRAPPLE OPENING	in	100.5	137.5	137	137	160	168.5	178.5	186
	mm	2553	3493	3480	3480	4064	4280	4534	4724
E OVERALL WIDTH, OPEN	in	104.5	141.5	141	145	168	178.5	188.5	196
	mm	2654	3594	3581	3683	4267	4534	4788	4948
F HEIGHT, CLOSED	in	101	123.5	123.5	123	133.5	138	143	148
	mm	2565	3137	3137	3124	3391	3505	3632	3759
G HEIGHT, OPEN	in	76	88.5	89.5	88	932.5	94	95	98
	mm	1930	2248	2273	2235	2350	2388	2413	2489
DEPTH	in	48	36	36	39.5	39.5	39.5	39.5	39.5
	mm	1219	914	914	1003	1003	1003	1003	1003
RECOMMENDED LOG LENGTH	ft	16	10	10	16	12	12	12	8
	m	5	3	3	5	4	4	4	3



# ADDITIONAL PIERCE FORESTRY PRODUCTS

PURPOSE BUILT  
IMAGINE MORE  
OPTIONS.

In-house design team: check. Comprehensive manufacturing capabilities: check. Product testing and certification, technical support, and post sale support throughout North America: check, check, and check. With so much to offer, we're ideally positioned to provide complete solutions for all of your business needs. From ordinary to extraordinary.

As a leading designer and manufacturer of hydraulic excavator attachments, work tools and complete conversion solutions, Pierce has built a solid reputation for providing reliable, high performance products that are designed to keep pace with changing industry conditions – and one step ahead of emerging technologies.

# ADDITIONAL PIERCE FORESTRY PRODUCTS



GRAPPLE PROCESSOR



BAR SAW



PIERCE DELIMBERS



DENHARCO DELIMBERS



POWER GRAPPLE



POWER CLAM



FORESTRY GRAPPLES



YARDING SYSTEMS



CAB RISERS & GUARDS



# PIERCE INDUSTRIAL PRODUCTS

## THE DIFFERENCE IS CLEAR CUT.

Pierce is a market-leading supplier of attachments and machine conversions for small, medium and large hydraulic excavators.

Pierce has been forging new paths in the design and manufacturing of heavy equipment for scrap, refuse and bulk material handling, as well as for demolition, specialty excavation, and forestry since 1931.

We've established a reputation for reliable, high performance and industry-leading products designed to keep pace with the changing industry conditions and emerging technologies.



LONG REACH



MATERIAL HANDLING



DEMOLITION



SCRAP HANDLING



RAIL

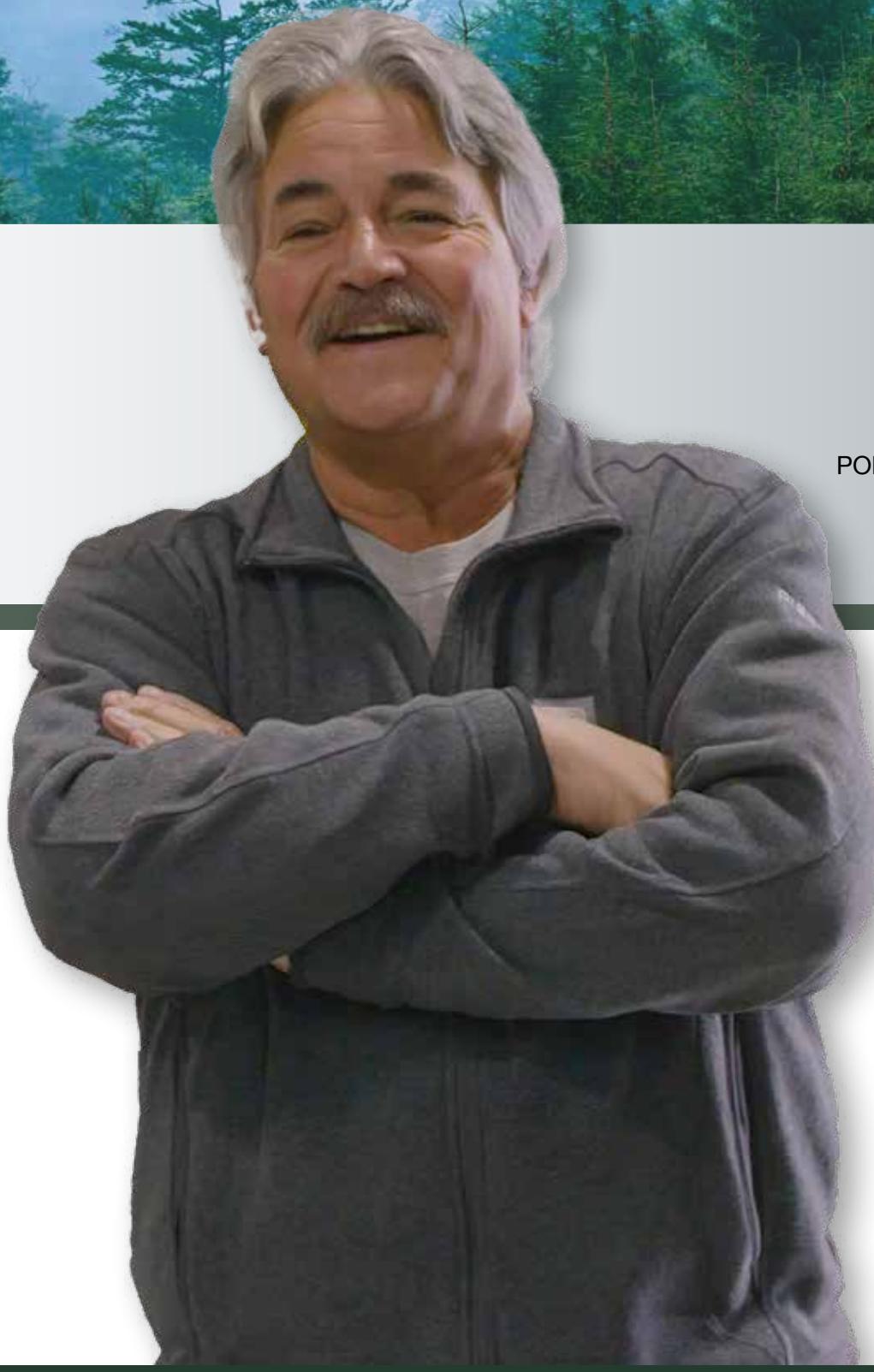


UNDERGROUND MINING



PIERCE





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*Years*

