

BETWEEN BRANCHES

OFFICIAL PUBLICATION OF TIGERCAT INDUSTRIES INC.

**REVIVAL
IN YAKUTAT
ALASKA**

**LOGGER
FULFILLS DREAM**

MUST BE
**TICK
SEASON**

850/568
THE FULL PACKAGE

**FUEL REDUCTION
TRIAL FACES
ULTIMATE TEST**

**WORKING
THROUGH
COVID**

Tigercat®



BETWEEN THE BRANCHES

ISSUE 52 MAY 2020

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FROM THE *Editor*

2020 has gotten off to a tough start. First, it was the devastating Australian wildfires. Lives were lost and homes destroyed. Natural habitats and working forests were decimated and millions of animals were killed. The consequences of the fires are far reaching and difficult to conceptualize.

When the weight of COVID-19 really began to hit home in North America in the early days of March, large swaths of Europe were moving into full lockdown mode. Many at Tigercat were attending CONEXPO in Las Vegas, in large part to promote Tigercat's exciting new material processing product line. No one really understood what was to come or how much it would alter the lives of, well almost everyone.

So here we are now. As I am writing this, it is mid-May. Tigercat's COVID-19 mitigation plan is in effect and the plants are beginning to reopen after a six-week shutdown of all operations except essential services. The pause provided the time required for the newly formed COVID-19 internal task force to revamp policies and operations at Tigercat to reflect new realities and a vastly different world. Building on the excellent work that was done initially at the customer service facility and is reported in this issue

by parts manager, Brian Jonker, the task force has put a solid plan in place company-wide. It allows for the resumption of production, while protecting the health and safety of Tigercat employees.

We have all learned something about teamwork, whether it is within a household, a social support group, a company, country, or the entire global community. We have seen examples of selflessness and heroism, but equally important, we have seen the result of everyone doing their part to solve a problem that is unsolvable by acting alone. If it works for COVID, perhaps it can work for other crises that are sure to come. And perhaps this type of big thinking can help us overcome other problems like greenhouse gas emissions, ocean acidification and plastic pollution.

In this issue, you can read about a fuel load reduction experiment that has potential to mitigate damage from future bushfires in Australia. Other inspiring stuff includes a story about economic renewal in a remote part of Alaska. And let's face it, logging is a tough business at the best of times – requiring massive amounts of capital investment, risk tolerance and hard work. Fulfilling a lifelong dream and continuing a family business tradition out west is a difficult but worthy challenge, especially in light of the current

scenario. The forest products industry will positively contribute in many ways to our collective fight against the virus, primarily by providing raw material for the manufacture of PPE products for our healthcare workers.

We at Tigercat wish to acknowledge a few things. First, our deepest condolences to anyone that lost a loved one to COVID-19 or the Australian bushfires. And thanks to everyone, everywhere in the world that have been on the front lines of this crisis – healthcare workers, the tradespeople that keep critical infrastructure operating, emergency personnel, farmers, the truck drivers that deliver food and critical supplies, and those that keep grocery stores running – just to name a few. Finally, thanks to everyone involved with Tigercat and the entire forest industry community: Employees for understanding the tough measures that were taken, and our dealers and suppliers for being our trusted partners through good times and bad. And thanks to all the people around the world that own and operate Tigercat machines. Without all of you, the Tigercat brand wouldn't exist.

– Paul Iarocci

COMMUNICATIONS MANAGER AND DEALER DEVELOPMENT



HARVESTING HEAD PRODUCT LINE EXPANDS

Tigercat continues to expand its range of harvesting heads with the new 568, a robust, productive head well suited to roadside processing.

The new Tigercat 568 processing head offers excellent productivity and reliability. Optimized harvester head hydraulics maximize performance and efficiency, while robust, high quality components provide long term reliability. Large diameter hoses and large capacity valves provide ample strength to match the greater hydraulic flow and power of Tigercat carriers.

Timed knife arms and triangulated wheel arms allow the operator to pick quickly from the pile and to maintain positive tree contact when feeding. The floating front knife and fixed back knife ensure good quality delimiting. Single or dual-track measuring wheels with a horizontally pivoting trailing-arm design, along with priority-flow

length measuring, provide superior length accuracy.

With Tigercat's patented 4-2 drive system, operators get speed and powerful feeding all in one. The 568 starts in four-wheel drive, maximizing feed force for faster acceleration and to quickly power through larger limbs. As the load drops, the head automatically shifts to two-wheel drive, improving efficiency and increasing feed speed. The system shifts back and forth seamlessly with no operator input required, all while maintaining precise and accurate length measurements.

Pair the 568 harvesting head with the 850 processor for an all-Tigercat roadside processing solution.

D5 control system

The 568 harvesting head uses the Tigercat D5 control system. The system allows the operator to monitor lengths, diameters and species in real-time to ensure maximum productivity with a simple and intuitive Tigercat-developed user interface. The Tigercat D5 control system is available in three levels of bucking control and reporting: Tigercat D5 Prio, Tigercat D5 Prio PC and Tigercat D5 Optimization, allowing operators to tailor the system to their needs. ■



a True ROADSIDE PROCESSOR

Tigercat introduces the highly anticipated 850 carrier, providing contractors with a complete Tigercat roadside processing package.

The Tigercat 850 is a purpose-built roadside processor delivering outstanding performance and impressive fuel economy. Designed for high volume roadside processing, the Tigercat 850 offers many advantages over excavator conversions including better service access, higher cooling capacity and processor head optimized hydraulics. The Tigercat FPT N67 engine delivers 159 kW (213 hp) at 2,100 rpm for Tier 2 and Tier 4f emission compliance.

An efficient load sensing hydraulic system allows simultaneous machine and head functionality. The combination of high horsepower and harvester head optimized hydraulics lead to responsive control, quick feed speed and powerful delimiting capability for high productivity. A high capacity swing system with dual

swing drives provides ample torque and speed for high performance processing. The powerful, strength-to-weight optimized boom is designed specifically for processing and high stacking.

Operator visibility is unmatched in the quiet, comfortable, ergonomically designed cab. The hooked boom design and narrow side posts provide excellent righthand side visibility. An integrated cab riser and the rearVIEW camera system contributes to all-around visibility for the operator. Optimally positioned controls and a large touch screen display improve ergonomics and machine monitoring. Reduced noise levels help the operator enjoy the auxiliary audio input port, Bluetooth® audio and hands-free calling.

Service access is unmatched, with the ability to step down into the centre of the machine for clear, unobstructed access to the engine and daily service points. Large enclosure doors and a service platform provide easy access to other service points. A large cast counterweight with a swing-out door allows access to the engine from the rear of the machine.

Timed knife arms and the triangulated design offer easy picking from the pile. Single or dual-track measuring wheels with a horizontally pivoting trailing-arm design, along with priority-flow length measuring, provide superior length accuracy. ■



6050 CARBONATOR

ECO-FRIENDLY MATERIAL REDUCTION

Unique, cost-effective and eco-friendly, the 6050 carbonator reduces wood debris volume onsite through an environmentally friendly carbon sequestration process with no material pre-processing required.

The 6050 carbonator is the first product offering from Tigercat's new material processing equipment line-up. Logs, limbs, brush, stumps, yard waste, pallets, clean lumber and other clean wood-based debris can be reduced by 90-95%. The remaining carbon-based output – often referred to as biochar – sequesters the captured carbon. Because there is no resulting organic decay, along with the associated release of greenhouse

gasses, Tigercat believes that this carbonization process represents the lowest carbon footprint of any competing material reduction method.

Under-air and over-air fans create optimal conditions to maximize carbon content in the output, while processing the wood debris at very high throughput rates. The 6050 is equipped with replaceable thermo-ceramic panels rated to 1 650°C (3,000°F). A quenching system cools the end product to near ambient temperatures for handling, while further improving the quality of the carbon-based output. An optional conveyor system is available for output collection.

“It is a single step sequestration process done onsite,” states vice president, material processing

products, Anders Ragnarsson. “A cost-effective and environmentally friendly solution that reduces debris transportation and disposal costs.”

The 6050 carbonator is operator friendly with full remote control for all functions including machine travel. A live stream video monitoring system provides full visibility for easy feeding.

The machine can be used in a variety of different applications and industries including forestry and land clearing, construction and demolition, agriculture, and primary and secondary mill residue. ■



Watch the 6050 carbonator in action on Tigercat TV:

www.tigercat.com/6050-video

TIGERCAT RELEASES 602 GRAPPLE SKIDDER

Quick, compact and fuel efficient, the 602 grapple skidder is ideal for high value selective logging in tight or challenging terrain.

Tigercat has launched what could be the smallest grapple skidder available on the market by a major forestry equipment manufacturer. The size and agility of the 602 makes it ideal for selective felling and other low volume niche logging applications. The machine can access high value timber in tough terrain, while minimizing damage to the residual stand. A fixed front axle with an oscillating centre section allows the 602 to achieve a very narrow overall width of 2,7 metres (106 in).

The Tigercat FPT N45 Tier 4f engine is a great match to the

power requirements of the machine, delivering 125 kW (168 hp) at 2,200 rpm while conforming to emissions standards for North America and Europe.

Performance in difficult terrain is excellent with no gear shifting required. Full tractive effort is available at any engine speed, minimizing wheel spin and improving breakout performance.

Maximum fuel efficiency is achieved through the use of Tigercat's load sensing hydraulic system. Electronic control technology combined with Tigercat's unique hydrostatic

drive system allows the skidder to operate at variable engine rpm, automatically increasing engine speed when additional horsepower is required.

Tigercat's Tier 4 solution is packaged into a physically smaller engine compartment than competing machines, leading to clear operator sight lines. Excellent cab ergonomics, Turnaround® and the benefits that come with hydrostatic drive, along with painless maintenance routines make the 602 skidder a top choice among operators. ■



NEW CAB AND POWER PLANT *for the* **220E** LOADER

Tigercat has recently released the 220E loader with notable improvements, including an upgraded operator's station and the addition of the Tigercat FPT power plant.

Conforming to Tier 2 and Tier 4 emission requirements, the quick and light-weight 220E is powered by the Tigercat FPT N45 Tier 4f or the Tigercat FPT N67 Tier 2 engine, delivering 125 kW (168 hp).

The totally redesigned operator's station has a significantly improved climate control system along with a number of additional features to improve the operator experience.

The new heavy duty suspension seat is wider and standard equipped with heating and cooling. The seat has improved adjustability and many of the frequently used rocker switches have been repositioned into the armrest mounted joystick pod for enhanced ergonomics. The climate control system is further enhanced by the addition of window blinds for the front windshield and skylight. Acoustical engineering along with the quiet Tigercat FPT engine contribute to

extremely low in-cab noise levels, while the new sound system with Bluetooth® audio allows for hands-free calling.

A new main pump and larger hoses to the boom cylinders provide faster boom and swing functions. Hydraulic component layout remains unchanged with hydraulic valves easily accessible underneath the deck plate cover, allowing for clean, easy service access. The updated electrical system incorporates hydraulic pressure sensors that can be monitored on the display in the cab as well as improving fuel economy with an automatic engine idle down feature. ■





718 ADVANCES TO G-SERIES

The last machine in the drive-to-tree feller buncher line-up advances to G-series.

Tigercat engineering recently completed the drive-to-tree feller buncher line-up with the release of the 718G. One of the last Tigercat machines to receive a Tigercat FPT Tier 4 engine, it was a challenge to package the additional aftertreatment componentry required for Tier 4 compliance, while still retaining the nimble size of the industry's finest thinning machine. The designers have succeeded, incorporating all of the features of the larger G-series family members, as well as additional enhancements, while maintaining the approximate size of the previous E-series machine.

The 718G gets its power from the Tigercat FPT N45 Tier 4f engine

which provides 125 kW (170 hp) at 2,200 rpm. The completely redesigned engine compartment allows for a high capacity cross-flow cooling set-up with a hydraulic driven, automatic variable speed fan and an automatic reversing cycle. The new compartmentalized layout keeps the cooling system, hydraulic components and engine in three separate areas.

The new accumulation mode allows the operator to choose between normal and auto-accumulate for bunching head arm operation. Simultaneous open and close of the clamp and accumulator arms can also be programmed on a joystick button.

A saw interrupt trigger on the joystick turns off saw power temporarily when extra horsepower is required. This is particularly useful in hilly terrain once the saw head is full and the operator

is backing up to dump the accumulated bunch.

The G-series cab is quiet and well-equipped and affords excellent visibility. LED lights improve reliability and brightness. A more even light pattern provides better coverage around the machine. The front window area is nearly ten percent larger. Combined with Tigercat's low-profile boom structure, visibility to the front is unmatched. The rear quarter windows are over twenty percent larger improving the view over the back tires – an asset in thinning applications.

Additional new features include a rear camera system, programmable joystick buttons, electric hydraulic fill pump, and ground level fueling. Enhanced differential lock controls are timed to turn off after a pre-set duration to save axle wear. ■

TIGERCAT LAUNCHES LOGON™



Ensure optimal machine performance and reduce downtime with LogOn.



Tigercat is pleased to announce the launch of LogOn. This powerful on-board information system is standard on all 2020 Tigercat machines.

“LogOn is a valuable new tool that allows you to access vital machine data onsite,” says telematics project manager, Irfan Zardadkhan. “Users may easily access the system through the Tigercat Mobile App when they are within a few metres of the machine.”

Open the Tigercat Mobile App on your smartphone, select the LogOn icon, and connect to the secure Wi-Fi hotspot to enter the system. From there, you have access to detailed activity charts, stem count and production volume, important failure cause and repair information, along with operator and service manuals. Easily access detailed machine data and diagnostics tools at the worksite, including mechanical parameters, fuel economy, performance metrics, service codes, service manuals and more. Detailed fault codes and important troubleshooting information help to ensure the correct fix the first time. No electronic tools or cables are required.

The LogOn system collects data automatically and provides extensive built-in reporting and analytics. Data is displayed through an easy-to-use mobile interface. Cellular coverage is not required.

For more information on RemoteLog® and LogOn, please visit: www.tigercat.com/telematics

Visit your app store to get the latest version of the Tigercat Mobile App. ■

CONEXPO 2020

Strong attendance at North America's largest 'heavy metal' trade show.



Crowds filtering into the Tigercat off road industrial booth. Show support for the T726G from Taunton, Massachusetts based Street Works was greatly appreciated.

Held every three years in Las Vegas, CONEXPO is a truly massive event featuring the latest equipment advances and newest technology applications in every aspect of construction. The 2,300-plus exhibitors sprawl over 250 800 m² (2.7 million ft²) of pavement and convention centre floor space. Although this event just barely preceded announcements of the start of the COVID-19 spread in the United States, 130,000 people attended. Safety precautions were well matched to the information that was known at the time.

In addition to the display of key products from the off road industrial product line, what better stage to launch the initial

products in Tigercat's new material processing line-up. Introduced for the first time was the prototype Tigercat 6900 horizontal grinder.



Alongside the 6900 was the unique and eco-friendly Tigercat 6050 carbonator. Both the 6900

grinder and 6050 carbonator received significant interest with long line-ups to talk to Tigercat representatives onsite. The traffic to the booth originated from around the world. Attendees commented on the build quality and innovative features.

Anders Ragnarsson, Tigercat vice president, material processing products, emphasized the company's enthusiasm regarding the event, "We thank all the customers that visited us at the show. The show was a huge success. Our dealers have many existing and new opportunities to follow up on to further our growth in this sector."

Continued on next page.

Machines on display at the Tigercat off road industrial booth included the 480B mulcher equipped with the durable Tigercat 4061 mulching

head and the Tigercat 875 loader with a live heel boom system and grapple. The T726G street trencher, a unique machine designed to open

roads to access underground utility infrastructure was also on display. ■



The new Tigercat material processing machines attracted near constant attention.

SUPPORT NEWS

SALES SPECIALIST FOR TIGERCAT AB IN SWEDEN.

NAS, SWEDEN



Stefan Carlsson

Tigercat is pleased to announce that Stefan Carlsson based in Nas, Sweden has taken on the role of sales specialist for Tigercat AB. He is covering the mid-region of the country, specifically the areas of Värmland, Dalarna, Gävleborg, Örebro, Västmanland, Uppsala, Södermanland, and Stockholm.

Stefan has an extensive forestry background with over 20 years' experience as a machine operator as well as a heavy equipment technician. Stefan has a strong understanding of cut-to-length harvesting systems and the Swedish forestry equipment market. ■

WORKING *through* COVID-19

– Brian Jonker, parts manager



At risk of overstating the obvious, these are the most unusual and trying times of my 24-year work career. The strange and scary COVID-19 virus has dramatically changed the way we live and work. Through all of this, forestry has been designated an essential service and therefore we forge on in the Tigercat parts, service and rebuild departments. We have not missed a day in taking and shipping orders or providing service phone support to our dealer network. However, I would not say it has been business as usual. Truth be told, it's far from it.

We are engaging in all the best practices that have been outlined by the different health organizations. Social distancing, washing hands frequently, an abundance of sanitizer and more frequent cleaning of common touch points have all become the new normal.

In addition, we have been limiting the access to our building. Not even our own long-haul truck drivers are allowed in certain areas. We have spaced out all our office employees, utilizing meeting rooms

and previously unused areas. We have reconfigured our lunch rooms to only allow one person per table. Every individual is now responsible for cleaning his or her own workspace to ensure it is done to personal satisfaction, and to remove the risk of others touching that same space. If someone is ill, they stay home. No one in our building, or at our US warehouse in Georgia has displayed symptoms or tested positive for COVID-19, but if that happens, we have plans in place.

In addition to the change in practices, we have had more frequent group meetings (while maintaining distance) even if it is just to share the most recent company news. It is necessary to take all of the previously mentioned precautions, but if it is not tied together with constant communication, I don't believe it is possible to achieve true business continuity. In challenging times, it is more important than ever for everyone to be on the same page.

With the threat of sickness and unemployment rates rising by the day, anxiety is at an all-time high. People want to work but only in conditions that make them feel safe. Priority number one for us is the health and safety of the employees. That includes mental health. Frequent meetings not only provide an environment to share information but also to receive feedback. Are people uncomfortable? If so, why? What can we do to improve the situation?

Within our company, a COVID-19 task force has been formed to create processes that provide stability and continuity within our twelve plants. The managers of all facilities have been meeting online every week with the COVID-19 group to discuss this everchanging situation. During these meetings, valuable information is gained and can be brought to the wider workforce. Sharing is essential. Everyone wants to be informed and they don't want information to come second or third hand. In this way, rumors are avoided and trust is established.

Between here and our warehouse in Georgia, I am very proud of the people I work alongside with. It seems everyone has risen to the challenges thus far. People have been working together to keep things clean. They have been respecting each other's space. There is a genuine feeling that people care about each other and our company. Over the last eight weeks we have had very few missed days and I keep saying that it is the healthiest I have ever seen the occupants of our building.

Good things can result from adversity. I believe that a number of the initiatives that have been implemented will become the new normal even after COVID-19 is defeated. These practices will help lead to a healthier future both physically and mentally. Stay safe and keep communicating. ■



FUEL REDUCTION TRIAL FACES ULTIMATE TEST

Tigercat 480B mulcher trial commissioned by Forestry Corporation of NSW becomes a whole lot more relevant after devastating Australian bushfires.

– Glen Marley, Tigercat district manager Australia and New Zealand

After the summer that Australia had, bushfire prevention is surely on the minds of many people. Last September, previous to the carnage, Tigercat and Australian dealer Onetrak were asked by the Forestry Corporation of NSW to assist in preparing and mulching a trial site in a very unique forest. The majestic Sugar Pine Walk at Laurel Hill in the Bago State Forest, with its towering trees and pine-needle carpeted floor, has for many years been an

iconic natural and historic site in the Riverina-Tumbarumba region at the western edge of the Snowy Mountains.

In response to the request, Tigercat and Onetrak provided a 480B mulcher to Forestry Corporation for the duration of the land preparation work. “Onetrak, our local team in Tumut and Tigercat are happy to be able to support the local forestry industry and this important community project,” says

Onetrak managing director, David Hazell. “Our close relationship with Tigercat and their full factory support helps make these activities possible.”

The Tigercat 480B mulcher was launched in Australia in May 2019. In addition to stump grinding and vegetation mulching, its uses include clearing regrowth, right-of-way clearing for powerlines, land divisions and fuel hazard reduction operations.



The healthy stand in the foreground was treated prior to the bushfires. The area beneath the trees was mulched, effectively removing deadwood, wildling pines and invasive plant species. All of the surrounding untreated areas including the Sugar Pine Walk itself were unable to withstand the fires.

Planted in 1928, the enormous sugar pines provided a short, easy stroll among some of the tallest and largest pines in the world. The Forestry Corporation of NSW recently commenced a succession project to ensure that the unique experience is preserved for future generations. The objective of the project is to create a shared space with the local community – people who are heavily invested in forestry and whose townships depend upon the industry.

The site preparation portion of the trial was part of the overall Sugar Pine Walk succession plan. Along with the site preparation mulching operation, the Forestry Corporation

team also asked for some younger wildling pines and invasive plant species to be cleared from underneath a neighbouring pine stand, planted in 1922. This second component of the mulcher trial would provide a fire hazard ground fuel reduction trial and replicate a fire break buffer zone.

The original idea was to grow a new forest that would eventually replace the current Sugar Pine Walk as it aged over the next century. A suitable replacement site was selected and so far, five hectares have been harvested. “The trees removed from the new site are from a 1922 *Pinus Radiata* plantation. Hence there

are large post-harvesting stumps and debris remaining,” says Forestry Corporation harvesting supervisor, Elle Kromar. “Thanks to Onetrak and Tigercat, we have been fortunate to have access to a Tigercat 480B mulcher, which has spent a week grooming the site and chewing debris into mulch.”

“This project is a great opportunity to demonstrate the new machine and its suitability for forestry applications and local conditions,” says Onetrak territory manager, Phil Turnbull. “The before and after photos of the site speak for themselves and we are very happy with the mulcher’s performance.”

Then on December 28, just a few months after the initial trial, this same region was devastated by the massive 2020 bushfires. Started by a lightning strike, a local fire burned through the area, merged with a second fire and went on to engulf some 600 000 ha (1,500,000 acres), including over 52 000 ha (130,000 acres) of commercial Radiata pine. Sadly, the Sugar Pine Walk was severely damaged and is now closed to the public. How did the adjacent pine stand fare?

With approximately half the Radiata pine stand recently mulched and cleared of brush and fuel wood with the 480B, the results are all too clear. Today, the trees growing in the cleared area are virtually untouched and remain healthy. The trees growing in the untreated areas have been decimated and did not survive the intensified heat during the catastrophic fires.

Now, with tens of thousands of hectares of burnt Radiata pine plantations in the region, quick, efficient, and ecologically

responsible ground preparation and replanting is essential. To that end, the 480B returned to the area in February to begin the process of mulching the unmerchantable burn wood and debris in preparation for replanting.

Where the salvage value of the burnt trees is negligible, mulching is a very cost-effective solution in young and medium sized stands. Particularly in areas that have been contour planted, mulching will greatly assist in the reduction of ground disturbance, compaction and erosion. The remaining residue ground cover has the added advantage of retaining higher moisture levels in the subsoil – critical in drought conditions.

Replanting seedlings directly after mulching may be achievable without traditional windrowing and deep ripping operations, helping to reduce the cost of re-establishing plantations.

Tigercat mulcher carriers offer excellent build quality, efficient hydraulic systems, a comfortable,

ergonomic operator's station, and easy access to components and daily service points. The result is high uptime and productivity – essential in time-sensitive fire hazard fuel load reduction and right-of-way clearing projects.

The 480B mulcher is built for the toughest terrain, soft soil conditions and the most demanding duty cycles. With a power rating of 411 kW (550 hp), the Tigercat FPT C13 engine offers quick load response, low operating costs and high power density, combined with excellent fuel economy.

Tigercat and Onetrak can play a vital role in the bushfire recovery efforts now faced by Forestry Corporation. The outstanding trial results have proven the Tigercat 480B to be an essential tool in hazard reduction and defending plantations against the threat of future bushfires. ■



Watch on Tigercat TV:

www.tigercat.com/480b-silviculture

The 480B mulcher efficiently clearing unsalvageable burnt timber after the fires, in preparation for replanting.

**THE TREES GROWING IN THE
CLEARED AREA ARE VIRTUALLY
UNTOUCHED AND REMAIN
HEALTHY. THE TREES GROWING IN
THE UNTREATED AREA HAVE BEEN
DECIMATED AND SADLY DID NOT
SURVIVE THE INTENSIFIED HEAT
DURING THE CATASTROPHIC FIRES.**

the FULL PACKAGE

BTB catches up with Sunshine Logging Ltd. after the Kalso, British Columbia based company purchased two Tigercat 850 processors, each equipped with the Tigercat 568 processing head. Owner Clint Carlson and operators Dave LaMarsh and Kerry Gouldsbrough share their thoughts on this new Tigercat roadside processing package.

– Samantha Paul

Sunshine Logging is based in Kalso, a village in the West Kootenay region of British Columbia, Canada – located among picturesque snowcapped mountains on the western shore of Kootenay Lake.

Clint runs three five-piece crews with twenty employees. Each crew has a feller buncher, shovel logger, skidder, processor and loader.

Clint started hand falling, line skidding and yarding after high school. In 1989 he started

working for Sunshine Logging. Nine years later he purchased half the business, and in 2018 took full ownership. His wife Vanessa manages the books and keeps everything in order. Clint's oldest daughter Kelsey runs the company's safety program and helps out in



Clint with youngest daughter and equipment operator Julia.



Both Clint and Dave comment on the improved righthand side visibility due to the hooked boom profile.

the office. His youngest daughter Julia operates equipment, currently working on the road-building side of the business.

Logging in the Kootenays

Sunshine Logging has a one-year renewable harvesting contract with Kalesnikoff Lumber Company based in Castlegar and a contract with Porcupine Wood Products out of Salmo. He also buys timber on private land. “It is a bit of a mix,” says Clint. “That is what the Kootenays has going for it, we still have a log market here. We still have multiple mills. We don’t have one big licensee in the area running the whole show.”

Typical terrain in the Kootenay region is quite steep. The forests generally are mixed stands of fir, hemlock, cedar and spruce, known

as ‘Kootenay Mix.’ “Right now we’re harvesting a 30 hectare [74 acre] tract of Kootenay Mix for Kalesnikoff Lumber Company,” says Clint.

The new iron

Sunshine Logging received British Columbia’s third and fourth 850 processors – both equipped with the new 568 harvesting head. Clint was tired of playing tug of war between the carrier and head with his processing equipment. “Tigercat is a good product and I was attracted to the full package,” explains Clint.

The gear was purchased through Inland sales specialist Jason Quaipe out of Cranbrook. With the new Inland dealership in Castlegar, Sunshine Logging will now be serviced by this location. “Castlegar is ramping up. They have hired

some new mechanics – it’ll be good for us having a closer branch.”

Clint ordered the 850/568 packages in April 2019 and subsequently toured the Tigercat plant in Ontario the following month. “I was impressed. It’s amazing what they’re doing there. It’s a factory with a customer touch,” says Clint. “A lot of the factories I’ve been to, they’re mass-producing excavators. You’re just getting what everybody is getting. You walk into Tigercat and you can see your machine. There’s a good chance I was climbing through the frame of our 850 when it was still steel,” tells Clint. “As for the head, I think we determined we were watching ours being built when we were there.”

“I’m fully aware that we are in a bit of a prototype phase when

you get the first of anything, but I wasn't worried," Clint says. "If any problems do come up, Tigercat has always been good about bringing that improvement back to us. And it's not my first early Tigercat. I bought a brand new 870C buncher in 2005 and we had two early L870s before that."

First impressions

Sunshine Logging's first 850 processor with the Tigercat 568 harvesting head arrived onsite in January 2020. Clint wanted a head that could work efficiently in both 20 cm (8 in) pine and 70 cm (30 in) fir. "It is a big factor," says Clint. "We were worried the head was going to be a bit small since we do push 30 inch wood. The whole thing is getting the right size head to be efficient in both."

Clint provides some feedback on the machine thus far. "The swing on it is really good. I definitely notice a difference from the previous

excavator-style carrier. The twin swing drive is a lot better," he says. "The saw is a lot faster cutting than on excavator conversions, which is saving time, and it's actually producing a better product. We're getting less ladder check," explains

**"IT DOESN'T MATTER
IF IT'S EIGHT INCHES
OR 30 INCHES, IT
JUST PULLS THE
LOGS THROUGH
EFFORTLESSLY."**

– Dave LaMarsh, 850/568 operator,
Sunshine Logging Ltd.

Clint. If the saw cuts too slow and there's tension in the log when it cuts, it tries to break it, and it will leave splits. Because the saw is cutting faster, it is more of a clean cut. This is especially important

as the wood gets bigger. Clint also commented on how the righthand side visibility has improved due to the hooked main boom profile. "It was always a blocked view with the straight style boom," he says.

Dave LaMarsh

Operating the first machine Sunshine Logging received is Dave LaMarsh. Dave has nineteen years of experience operating equipment, including experience with different brands and multiple processors.

Dave comments on the processing performance. "It doesn't matter if the logs are eight inches or 30 inches, it just pulls them through effortlessly," Dave asserts. "It's set up nice. The way the head hangs makes it easy for picking. The length and diameter reading is really good. The length of the logs have not varied two inches from what the reading is telling you," adds Dave. "The heated seat is awesome and the visibility with the

850/568 processor operator, Kerry Gouldsbrough.



850/568 processor operator, Dave LaMarsh.





The 850/568 processing cliffside.

bent boom is way better. Overall it's much better than a regular excavator. That is for sure."

Kerry Gouldsborough

The second 850/568 processor package arrived the first week of February and is operated by Kerry Gouldsborough. At the time of visit the machine had accumulated 120 hours. This is Kerry's first Tigercat. "It's fast," he claims. "I really like it. It's way quicker than I expected. I find the operating station really comfortable. It's a small cab but when you're sitting in there, it's

actually quite comfortable."

"I'm surprised at how big of a piece I can run through that head. I have run logs up to 30 inches through it," tells Kerry. "I haven't had to work on the carrier yet but I like how everything is contained. Everything is airy and it opens up well. There is good access into the centre of the machine and all the way around it."

"Because it's purpose-built, your functions are a lot better," states Kerry. On his previous processor, if the head was having an issue, it basically eliminated the rest of

the hydraulic system. "You had to wait for the head to finish before you could do anything. It didn't multi-function as well as the new package. With this, you don't have that issue," adds Kerry. "Other guys that have run the Tigercat brand all say they're great. So I was actually quite excited to be getting it, especially brand new, straight out of the box."

Increased productivity, it's unanimous

Clint, Dave and Kerry have all noticed an increase in productivity



since getting the new machines. “We’re early on, but I think for sure we will see an increase,” says Clint. “We just haven’t got past all the visitors,” he laughs. The crew hasn’t been able to run at full capacity for several weeks due to all the interested people coming out to see the machines in action.

Clint wanted the full Tigercat package and is very happy with his decision. “At the end of the day, the two work better together since they’ve been designed and tested together.” ■

“AT THE END OF THE DAY, THE TWO WORK BETTER TOGETHER SINCE THEY’VE BEEN DESIGNED AND TESTED TOGETHER.”

– Clint Carlson, owner, Sunshine Logging Ltd.



Watch the 850/568 processor in action on Tigercat TV:

www.tigercat.com/video/850-568

REVIVAL *in* YAKUTAT ALASKA

Alaska's remote and rugged landscape makes logging a challenge. Limited road connections, harrowing terrain and extreme weather are just some of the contributing factors. Nevertheless, forestry in Alaska holds much potential.

– Samantha Paul

In the 1970s, the forest sector was the second largest industry in Alaska. However, government policy and new federal land use rules introduced in the 1990s altered the industry. Alaskan logging contractors became so scarce that crews were brought in from other states to handle the sporadic timber sales that remained. According to the Alaska Forest Association, logging employment fell drastically from 4,600 jobs in 1990 to only 400 in 2018.

Preserving timber jobs is important and in remote Alaskan towns it can be critical. With annual wages nearly \$10,000 higher than the state average, these are important jobs that support families and communities.

Yak-Tat Kwaan Corporation

Four stakeholders manage Alaska's forests. The federal government has 51% ownership and state and local government owns another 25%. Native corporations own 24%. Private ownership of timberlands is negligible. Over two-thirds of all logging jobs in Alaska take place on Native lands.

Yak-Tat Kwaan, Inc. is a for-profit Alaska Native Corporation dedicated to providing sustainable benefits to the community by developing diverse business investments consistent with Native values, while being responsible stewards of the land. The corporation is based in Yakutat, a small town of 600 people in a

region sandwiched between the Gulf of Alaska and the Canadian border. Yakutat is located on a glacial moraine surrounded by the highest coastal mountains on earth. The region is geographically isolated with no road or rail access.

In 2015, the board of directors of Yak-Tat Kwaan Corporation recognized that the economy in Yakutat was stagnating. There were few jobs and consequently the schools were heavily impacted. Lunch programs were being shut down, teachers were leaving, and students were being forced to move away in order to receive an education. The board looked at its resources to see how it could help.

Yakutat is located on a glacial moraine, surrounded by the highest coastal mountains on earth. Yakutat has a subarctic climate with very high precipitation. It rivals Ketchikan as the wettest city in the United States with an average rainfall of 3 940 mm (155 in) per year, compared to the US average of 965 mm (38 in) per year.



Yak Timber owner, Marvin Adams (left) and CMI assistant branch manager, Chris Gerondale (right).

After a land claim settlement act in 1971, Yak-Tat Kwaan received 9 300 hectares (23,000 acres) of land. A portion of the land was harvested back in the late 1950s and now seventy years later, 3,000 acres have grown back, providing high-value second growth timber ready for harvest.

Yak Timber

Born and raised in Yakutat, Marvin Adams grew up around logging. His father worked for large logging outfits, R.B.K. Trucking and Silver Bay Logging, which in the 1980s, moved 29 million board feet annually out of Yakutat.

Backed by Yak-Tat Kwaan Inc., Marvin Adams and Donald Brenner started Yak Timber to harvest the second growth timber in hopes of reviving the logging industry in

Yakutat, boosting the local economy and providing much needed local jobs. “We started from scratch,” said Marvin. “I have a construction

**“I WON’T BE ABLE
TO GET HIM OFF
THAT MACHINE. AND
HE’S LOCAL. THAT’S
A HOME RUN. THE
PLAN IS WORKING.
AND IT’LL JUST
GROW FROM HERE.”**

– Marvin Adams, owner of Yak Timber

management background and I used to manage a heavy equipment division, so I know equipment.”

Marvin started by researching the various forestry equipment brands available. The Yak-Tat Kwaan board of directors were eager to lease/purchase the equipment required to get this operation underway as the economy in Yakutat continued to worsen. “We got quotes from various equipment dealers,” says Marvin. “Then at the eleventh hour I got a call from a local friend, Kip Fanning. He told me that I needed to meet a guy named Chris Gerondale of CMI.”

Construction Machinery Industrial (CMI)

Kip had a working relationship with Chris Gerondale, assistant branch manager of CMI, a leading heavy equipment dealer in Alaska. Kip spoke very highly of Chris and CMI and Marvin had great respect for Kip, so Marvin set up a meeting



Damien Long harvesting Sitka spruce with the Tigercat LX870D feller buncher. With a high strength-to weight ratio and long fibres, Sitka spruce is used for general construction, shipbuilding and plywood. It is also known as 'music wood,' having excellent acoustic properties for pianos, violins and guitars.

with Chris in Anchorage.

Marvin explained to Chris that they were already well down the road on another deal. “The board had already approved the numbers,” Marvin explains. Then Marvin brought up Tigercat. “I told him that I really wished I could get those Tigercats,” he recalls. At the time Tigercat had no authorized dealer in Alaska. “Chris said, ‘Well, let’s see what we can do.’”

Fast forward to several meetings later. CMI and Tigercat worked out a deal authorizing CMI as the official Tigercat dealer for Alaska. Marvin explains, “I always wanted Tigercat and no one else could provide it, until now.” Marvin recognized he needed reliable equipment. “We are a remote site. You can’t have breakdowns out here,” he explains. Marvin knew

he needed to have a big system for big timber. He knew he would be getting into some large old growth oak and also some commercial thinning.

The iron

Yak Timber started off by purchasing a Tigercat LX830D feller buncher and 635G skidder, a dozer, two wheel loaders, two shovel loggers and one processor, which were all delivered by barge in April 2019. BC-based dealer Inland was a huge help in getting Marvin the equipment he needed while CMI ramped up as a new Tigercat dealer.

Marvin believed that the feller buncher would easily keep ahead of the processors. “In our mind, there was no way a processor could keep up with that volume. We actually thought the bottleneck was going

to be the processing machine, so we got another processor,” explained Marvin.

Marvin and the crew soon realized that getting the merchantable trees out from the dense regrowth took a lot longer than expected. As predicted, the LX830D was cutting over 3,000 trees per day but 50% of them were non-merchantable. Marvin and Chris quickly realized they needed another feller buncher.

Marvin wanted another LX830D for commercial thinning. However, there was an LX870D readily available so that is what he went with. The LX870D arrived in early July and hit the ground running.

The crew

Yak Timber employs twelve people, eight of whom are native to Alaska. Several of Marvin’s new hires



had never run forestry equipment before. When Alaska native Damien Long first started, he was asked to off load the skidder when it arrived in Yakutat.

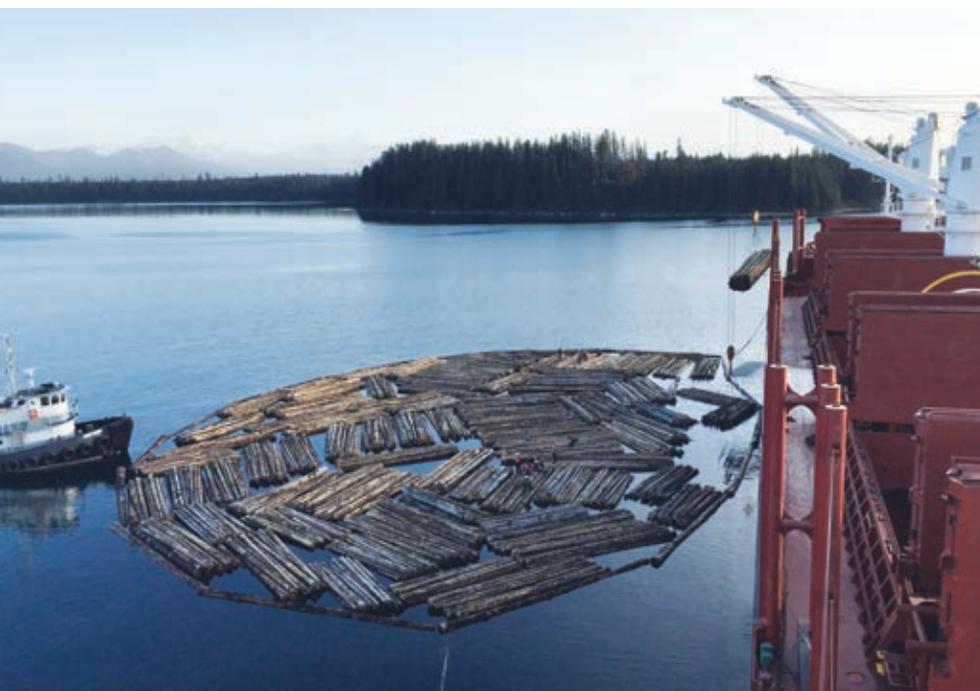
“Damien had never run a skidder before so I watched him. I was scared,” explains Marvin. “First thing he did was open up the manual. He opened up the manual and actually read it. And only after about five minutes, he started the machine up and drove it off the barge no problem.”



Along with being the crew foreman, Damien operates the LX870D feller buncher. “I won’t be able to get him off that machine. And the best part is, he’s a local. That’s a home run,” says Marvin. “The plan is working. And it’ll just grow from here.”

What next?

Yak Timber’s round wood is going to China. Across southeast Alaska, only one sawmill currently processes logs in volume. The majority of the timber is exported unmilled, often to Asia, where milling is cheaper. The company’s first shipment of logs departed for China in November 2019 with another vessel scheduled for February/March 2020.



Top left: Yakutat native and skilled LX870D operator and crew foreman, Damien Long.

Middle left: An aerial view of the Yak Timber sort yard.

Bottom left: Logs being loaded on the barge in Broken Oar Cove.



“That 635G is just a beast. I’m telling you, that is quite the machine,” says Marvin Adams.

Marvin has been extremely impressed with how well the Tigercat equipment has held up over the winter season. “Some of our other equipment brands had to be babied when an extreme cold snap came through. The Tigercats didn’t miss a beat.”

Forestry still holds much potential in Alaska to diversify the economy in a sustainable way. Yak-Tat Kwaan has over 80 million board feet (19 000 cubic metres) on its own land, so the timber business in Yakutat will only grow from here. Yak Timber plans to hire more locals and even develop an operator training program.

Marvin, Chris and Tigercat are very excited about the relationships developed to put this project together. “It was a team effort to get this project going,” states Chris. “It was everybody coming together to pull it off.” ■

**“IT WAS A TEAM
EFFORT TO GET THIS
PROJECT GOING.
IT WAS EVERYBODY
COMING TOGETHER
TO PULL IT OFF.”**

– Chris Gerondale,
assistant branch manager of CMI

SPRUCE *for* NATIONAL SECURITY

In the 1940s, the timber in southeast Alaska was considered a matter of national security. The fine, straight-grained spruce was important for building aircraft. During WWII some loggers were not allowed to enlist in the military, and were ordered to continue working to supply aviation grade spruce.

A close-up portrait of a man with a beard and blue eyes, smiling broadly. He is wearing a bright orange hard hat with a silver brim and a red and black plaid shirt over a dark t-shirt. The background is a soft-focus forest with green foliage.

LOGGER FULFILLS DREAM

BTB visited Fuller Creek Enterprises LLC in Elma, Washington to speak with motivated young owner-operator, Adam Zepp.

– Samantha Paul



“My wife and three girls have horses and other farm animals at home. And I’ve got my feller buncher,” laughs Adam.

For almost 200 years, the forest industry has played a central role in Washington State’s economy. According to the Washington Forest Protection Association, Washington is the second largest lumber producer in the United States, directly supporting more than 107,000 jobs.

Owner-operator Adam Zepp is based out of Elma, Washington, which lies within the Chehalis River Valley in Eastern Grays Harbor County, about 50 km (30 mi) west of Olympia and 65 km (40 mi) east of the Pacific coast.

**“AS A YOUNG BOY
I USED TO DRAW
PICTURES OF FELLER
BUNCHERS. LOGGING
WAS ALL I EVER
WANTED TO DO.”**

– Adam Zepp, owner operator,
Fuller Creek Enterprises LLC

Adam’s grandparents, Boyd and Wilma Zepp, started logging in the 1950s. Boyd worked the horses and Wilma drove the log truck. “My grandparents experienced quite a few ups and downs in the market as most logging companies do over the years,” tells Adam. “After Mount St. Helens blew in 1980, anybody that had a line shovel went down there to help clean things up, dredging out the big rivers and creeks. That is when Grandpa Boyd’s logging business really took off.”

Boyd started buying state timber sales and logging for the Jorgenson



Adam's wife Rachel nicknamed the LX830D 'The Mistress' since Adam spends so much time with it.

TIGERCAT SUPPORT

Adam purchased his LX830D from Triad Machinery. "Triad field technician Martin Hinderlie is very knowledgeable and certainly knows how to work on them," says Adam. "It's also really nice having the local Tigercat support with Kushiah [McCullough] and Damien [Donoher] running around. They're nice and close by. It's made a huge difference. Damien and Kushiah have been out four different times already to update the machine."

family in the mid 1980s. Adam's dad and a couple of his uncles were working for him at this time and things excelled from there. "Grandma told me that at the height of everything, he had about 150 people on the payroll – if you included hired trucks and hand fallers." Sadly, Boyd passed in 1993. "I still run into people in the industry that remember him or did business with him and they always have a good story to share."

Adam's father, Albert is the youngest of seven kids. He did all of the road building for Boyd before striking out on his own in 1984. Albert logged up until 2001 when the market was getting soft and the timber companies went from doing business on a handshake to taking the cheapest bid. "Dad didn't want to update equipment and

work for pennies so he shifted his business in a different direction. He restructured with some different equipment and started chipping and grinding hybrid poplar trees," explains Adam. "And it worked well. He had planted about 200 acres on the family farm. A company from Canada had heard about him and approached him to harvest what they had planted in the Snohomish River Valley. It was a move that paid off well for Dad."

Fulfilling his dream

33-year-old Adam has been operating equipment since he was seven years old. As a young boy he would draw logging equipment and went to work with his dad and grandpa whenever he had the chance. "I spent a lot of time riding behind the seat of Dad's log shovel.



Tigercat factory representative Kushiah McCullough showing Adam Tigercat's RemoteLog telematics system.

I was fortunate to have the chance to learn at a young age and to have a dad that was patient when it came to teaching," states Adam. "Dad's chipping business was classified as ag so my brothers and I were able to be on the payroll at a young age. We spent every summer and a lot of weekends working for Dad. He ran older equipment and always told me if I could run the old stuff that I'd appreciate and make the new stuff look good."

At age twelve Adam saw a feller buncher with a hot saw cutting on his Dad's operation and was instantly hooked. "I told myself then that I was going to run one and own one myself someday." Adam operated for various logging outfits throughout the area before finally taking a leap of faith and starting his own business.

In June 2014 Adam established his own company, Fuller Creek Enterprises LLC. "My first day working out on my own was Friday the thirteenth. It just happened to be the day the buncher was ready from the dealership." Adam started contract thinning for Don Painter Logging based out of Eatonville, Washington. He also did contract work for Grose Construction and eventually settled in cutting for Brintech Logging, owned by Jerry Brindle. "I have never had a lack of work," says Adam. "Once I am done with one job, I am on a low bed and heading straight to the next. I've been very fortunate with that."

Adam continued to run into the same problems with his first couple of machines. That is when he decided he needed to get himself into a Tigercat. He reached out

WORDS TO LIVE BY

"I wouldn't be where I am today without the work ethic my parents drilled into my brothers and I when we were little. My Dad always said there aren't many situations in life that you can't put your head down and work through and that if you ever take a job and are losing money on it, don't cut corners and do a crummy job just to get it done as fast as you can. Bad news travels faster than good news. Those are words I live by," says Adam.



Adam harvesting a tract for Weyerhaeuser, just outside of Aberdeen, Washington. According to the US Forest Service, more than half of Washington State is forested. Forest coverage is roughly evenly divided on either side of the Cascade crest.

to now retired Triad Machinery sales specialist, Andy Hunter and told him it was time to upgrade to a LX830D. Adam was eager and ready to sign on the dotted line. That night he went home and told his wife Rachel they were getting a Tigercat and she agreed. “Good! I’m tired of mailing out payments for repair bills!”

The LX830D

Adam typically contract cuts for Weyerhaeuser. The LX830D is the perfect size. “I can reach just as far as the 870 and it levels more. I can’t pick up as much, but I can get everything I need to out here and manoeuvre around a lot better with this smaller machine,” he says.

Adam’s LX830D is equipped with the 5702-26 saw. The saw has a larger saw blade and housing for increased single-cut capacity, well suited to west coast applications.

“HANDS DOWN, THE LX830D IS AN ENGINEERING MASTERPIECE.”

– Adam Zepp

In larger sized timber, the wider housing reduces the requirement for double cuts, improving overall productivity.

Adam is extremely happy with the cab. “It is the quietest cab I’ve sat in. I used to come home and my ears would hurt because the cab was so noisy on my previous machine.” It did take him some time to get used to the new skyVIEW camera system, “I’m pretty in tune with it now,” he says.

“Other people can try, but these guys hired all the right people, and they listen. Grant Somerville, the [Tigercat] president, used to be a harvester operator, so he gets it,” states Adam. “It’s the best machine in the industry,” adds Adam. “There’s no question about it. Hands down, the LX830D is an engineering masterpiece.”

Growth

Adam wants to encourage more young people to get involved in the industry. “Go out and just get the fundamentals of moving a machine around,” says Adam. “With a buncher, the hardest part is knowing how to get around on the ground we’re cutting and lay the wood out. But that’s plenty teachable.”

Adam learned a lot from operators he worked with in the past. “When I worked for Mountain Pacific Enterprises, Craig Chambers and Bob Tomatich really took me under their wing. I rode behind the seat with them. They would walk the units with me and show me how to open them up and how to cut them right. I learned a lot from them.”

Adam plans to grow his business. He believes there is plenty of



Adam’s father and grandfather in 1978 with their HD-6 dozer heading over to Squaxin Island in the southwestern part of Puget Sound. After that job they always referred to that little dozer as ‘Squaxin.’

opportunity in the area. “There are some big players in the industry that will eventually retire and the industry will be looking for young people with experience.”

Adam has come full circle, from drawing feller bunchers when he

was a kid to owning and operating his own. “If you’d have told me a year ago that I’d be sitting here talking to you, owning a Tigercat, I’d have thought you were crazy,” says Adam. “It’s what I have always wanted to do.” ■

Adam’s wife Rachel, and his three daughters Ashlyn, Shania and Haidyn.





MUST BE TICK SEASON

The time of year has arrived (in the northern hemisphere) when temperatures begin to rise, flowers bloom, trees and grass turn green and everything comes to life. It is also the season that ticks become most active. When you spend every day working in the woods, it can be cause for concern.

Tick Myths

A common myth about ticks is that they die once a frost occurs. The truth is that ticks live all year round, and have a life cycle of two to three years. During the winter months they will find shelter in deep snow-covered leaves or brush. Although ticks live year-round, they do become most active in warm, humid weather.

Ticks do not fly or jump. Rather, they will climb onto a human or animal by waiting on grass, leaves or any other type of plant. They survive by feeding on the blood of humans or animals, and are able to sense when a host is nearby,

and when to latch on. The danger with ticks is that they can spread diseases such as Lyme disease from animals to humans that they bite.

What to look for

Although there are hundreds of tick species, only a few transmit disease. The three most common groups are blacklegged ticks (including the deer tick), dog ticks and lone star ticks. All three of these species are red or reddish brown and range in size from approximately 5 to 15 mm (0.25 to 0.5 in) in length.

Tick bites are usually painless. For this reason, it is important to check for ticks after being in wooded

areas or tall grass. Unlike other bugs that bite, ticks will remain attached to the body for up to ten days before detaching themselves and falling off. Once a tick is on a person's body, they will usually look for a warm spot before biting and drawing blood. The main areas of the body to check are shown on the facing page.

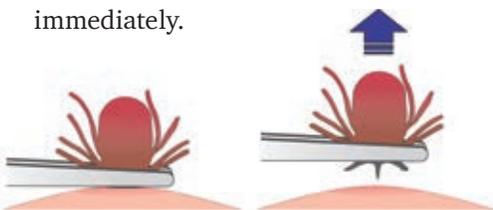
It may be necessary to use a mirror, or have someone assist in checking all areas. It is also recommended to shower as soon as possible after being in wooded areas.

Removing a tick

If a tick is found on the body, it is important to remove it right away. The longer a tick is left on the host's body, the further it may dig into the skin, thus making removal more difficult. It may also increase the risk of disease transmission, although it is possible to contract Lyme disease in less than 24 hours.

Care must be taken when removing a tick from the skin so that the whole tick is removed intact and no parts are left in the skin. To properly remove a tick, the following steps must be taken:

1. Using fine tipped tweezers, grasp the tick as close to the skin as possible.
2. Pull upward on the tick using steady even pressure. Jerking or twisting the tick may result in breaking it, leaving the mouth parts in the skin. If this happens, remove the parts (as much as possible) with clean tweezers.
3. After removing the tick, thoroughly clean the bite area with rubbing alcohol, iodine, or soap and water.
4. Place the tick in a sealed plastic bag and put it in the freezer – it may be useful later for diagnosis if symptoms appear. After removing the tick, several photographs should be taken of the bite area, as well as the tick. If the tick bite occurred during work hours, it should be reported to a manager or supervisor immediately.



When to see a doctor

After removing a tick, the bite area should be monitored for up to 30 days for any signs of infection. Medical attention should be sought if any of the following symptoms occur:

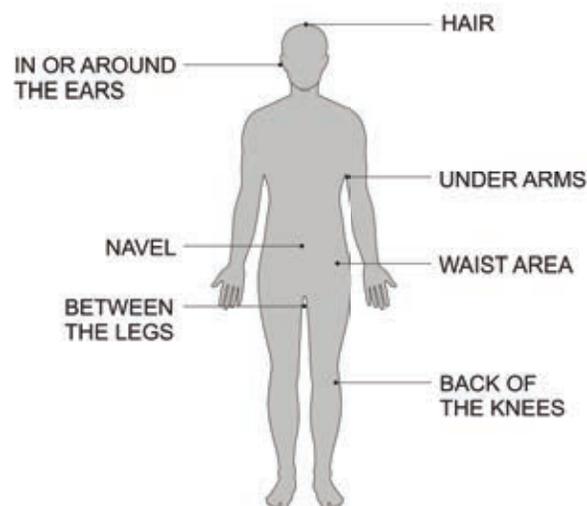
- BULL'S-EYE RASH**
A round or oval rash more than 5 cm (2 in) that spreads outward like a bull's-eye
- BRUISING**
- ANY TYPE OF RASH**
- FEVER**
- CHILLS**
- HEADACHE**
- STIFF NECK**
- MUSCLE ACHES AND JOINT PAINS**
- FATIGUE**
More tired than usual
- SWOLLEN LYMPH NODES**
- SPASMS, NUMBNESS OR TINGLING**
- FACIAL PARALYSIS**

Tick bite prevention

Avoiding any tick to skin contact is the best way to prevent tick bites. Wearing pants that have an elastic or Velcro cuff around the boots will help keep ticks off of legs. Duct tape wrapped around the cuff and boots may also be used. Long sleeves, jackets, or rainwear will also help to keep ticks off the body in tall vegetation. Using an insect repellent containing at least twenty percent DEET will also deter ticks. Follow the manufacturer's directions and apply it frequently.

After being in wooded areas, it is important to shake out over clothing to prevent any ticks from entering vehicles, homes, or offices. Check all parts of the exposed clothing including cuffs and in loose areas. Keep outer wear such as rain gear and jackets in a tote and store in the back of your pickup truck.

We've all learned a little more lately about the potential impact of viruses on people, society and the economy. Common sense and an ounce of prevention can greatly reduce the risk of acquiring some nasty viral infections transmitted by ticks. ■



NEW DEALER FOR CALIFORNIA

Tigercat is pleased to announce that Bejac Corporation is now the authorized Tigercat dealer for California and Nevada.

With over 35 years of experience in heavy equipment sales and service, Bejac is a leader in niche market machinery and serves a wide variety of industries that include forestry, scrap and waste recycling, green waste, and demolition. Headquartered in southern California, with ten locations in California, Nevada and Arizona, Bejac is strategically positioned throughout the southwest to deliver its products and services quickly and effectively.

“We are very happy to welcome Bejac to the Tigercat dealer network,” says Kevin Selby, Tigercat sales manager for the United States. “Bejac is a leader in specialty sectors and is focused on emerging products to help customers improve their businesses. Bejac’s commitment to customer

support will be a great match for our products.”

Bejac will be offering the full Tigercat forestry, off-road industrial and material processing product lines, including feller bunchers, skidders, loggers, mulchers, carbonizers and more.

Bejac looks forward to building strong relationships with area loggers and future customers in

the southwest. “We are excited about this new partnership with Tigercat,” says Ron Barlet, Bejac president. “We are confident that our experience and commitment to quality service combined with the best product on the market will amount to a first class customer service experience.” ■

To learn more about Bejac visit, www.bejac.com.



AUSTRALIA'S ONETRAK OPENS NEW PURPOSE-BUILT FACILITY

In 2019, Australian Tigercat dealer Onetrak completed construction on a brand new facility in Bridgewater, Tasmania. The new structure marks a significant increase in parts and service capacity in Tasmania.

The official opening event was held October 18 and was celebrated by suppliers, customers, industry representatives and local businesses together with the Onetrak team. Coincidentally, Australia's 500th Tigercat machine was delivered to

Kevin Morgan Group in late August. Tigercat owner and CEO Ken MacDonald travelled from Canada to attend the event and was able to personally thank Kevin for his faith in Tigercat – having also purchased the first Tigercat in Australia.

“Onetrak started in Brighton and our first branch and southern Tasmanian location has remained in the same premises since it all began in 2006. The move to a bigger site has been in the pipeline for some time and it is fantastic to see the

project finalised”, said David Hazell, Onetrak founder and MD.

“We are celebrating a couple of milestones today – the new branch and also the great milestone that is 500 Tigercat machines sold in Australia. It is fantastic to see the support for this brand and the CEO of Tigercat making the trip here. It confirms Tigercat's remarkable support to not only its dealers, but also customers locally here in Australia.” ■



A Tigercat 1185 harvester somewhere under the rainbow on the evening of the festivities.



David and Jaime Hazell cut the ribbon. Ken MacDonald stands by with his new didgeridoo.



The new Onetrak branch in Bridgewater, Tasmania, just outside the beautiful city of Hobart. According to Onetrak MD, David Hazell, the new facility will improve parts and service support capabilities.

#TIGERCAT *life*

PRE-COVID



Several employees received recognition for 25 years of service at Tigercat. Back row (L-R): Brett Cowie, Dino Marrocco, Grant Somerville, Ken MacDonald, Peter Hutcheson, Greg Pooran, Gerry Schmidt, Tom Schrink, Mike Ashton, Dave Gibson. Front row (L-R): Thuat Nguyen, Ken Grein, Sharon Wright, Victor Rivas, Paulette Lynk, Arnold Haniff, Delizia Taylor, Joe Azzopardi. Not seen in the photo are Carlos Hernandez, Bruce Catton, Gerhard Hopfner, Jim Ott, Oscar Flamenco, Joseph Salvatori, Dennis Durant, Kevin Henderson, Daniel Jones, Duane Barlow, Bharart Harnarine, Harry Bedicz, Mark Allan, Gary Bitton, Cary Lale, Hao Luu, Malbee Sirjoo, Rickford Shivrattan, Michael Ashton, Derrick Raper, Harry Walker, Nohemy Good, John Stevenson, Paul Brown, Lyndon Tizzard and James Nish.



Rayona Thompson, assembly welder for the logger line-up in Woodstock spoke at Build a Dream Career Expo, an annual career expo geared towards young women.



John Veale, design engineer, skidders; Brian Scott, design engineer, skidders; Riley Nijenhuis, equipment designer, skidders stand in front of the first swing boom 635G.

POST-COVID



Laura Rourke, health and safety manager has been critical to Tigercat's COVID response. She has been planning and implementing new measures to ensure a safe return-to-work for all employees and has hosted many, many virtual meetings in the process.



Kevin Selby, sales manager, US working from home during the early stages of the pandemic.



Acrylic glass has been installed between the lunchroom tables at Savage so employees are still able to sit across from each other. Some chairs have also been removed.



Parts pickers have personal carts for picking parts orders. Shayden tells us he has the only green cart in the warehouse.



Joe Barroso refills a bottle of hand sanitizer at the skidder plant. A large container of hand sanitizer has been stationed at the employee entrance to the plant. Employees are encouraged to bring a reusable bottle and keep hand sanitizer at their work stations.

Wait until you see the rest of it.