

CAT® ABRASION™

UNDERCARRIAGE



INDUSTRY LEADER IN
LOWEST COST PER HOUR



DIFFERENT BY DESIGN



You push through some of the most abrasive materials.

That's why we've designed a new undercarriage that can take on abrasive applications with industry-leading low cost-per-hour performance.

MATERIAL APPLICATIONS



Sand



Mud



Clay



Gravel



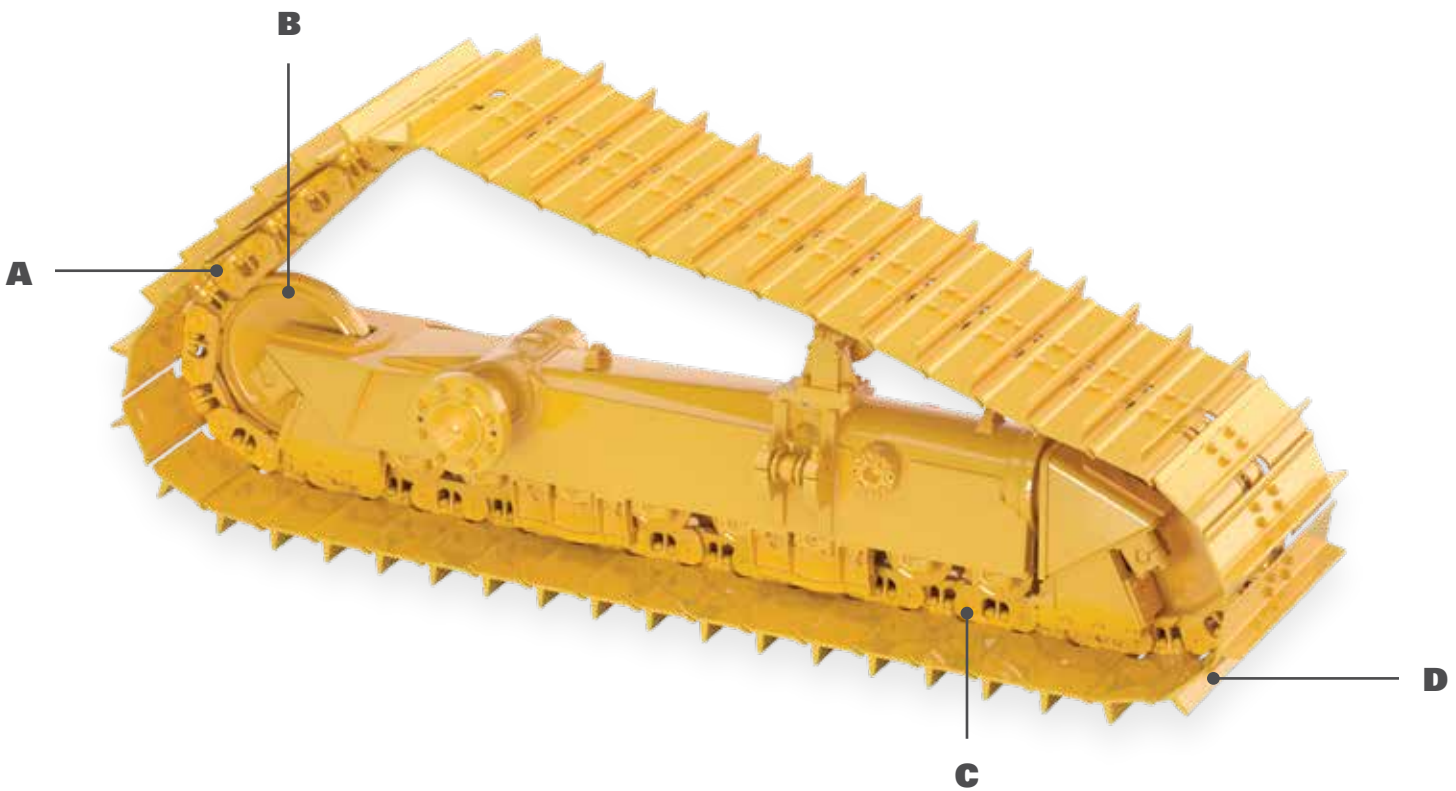
Up to 50% longer life compared to conventional undercarriage*



Double the seal life** in field follow tests



Industry-best undercarriage assurance up to 6,000 hours on all components



KEY BENEFITS

Cat® Abrasion™ is built on proven Cat Rotating Bushing technology that extends undercarriage wear life. Combined with an advanced proprietary cartridge design that dramatically improves sealability, Cat Abrasion delivers the lowest cost per hour in high-abrasion, low-to-medium impact applications.

A LESS MAINTENANCE

Eliminates the need for bushing turns in abrasive applications

B EXTENDED WEAR LIFE

Patented relieved tread idler design extends life up to 2x longer compared to traditional idlers

C LOWER COSTS

Better sealability means less maintenance and reduced costs over the lifecycle

D SMOOTHER RIDE

Eliminates contact between idlers and link rails providing a smoother ride for operators

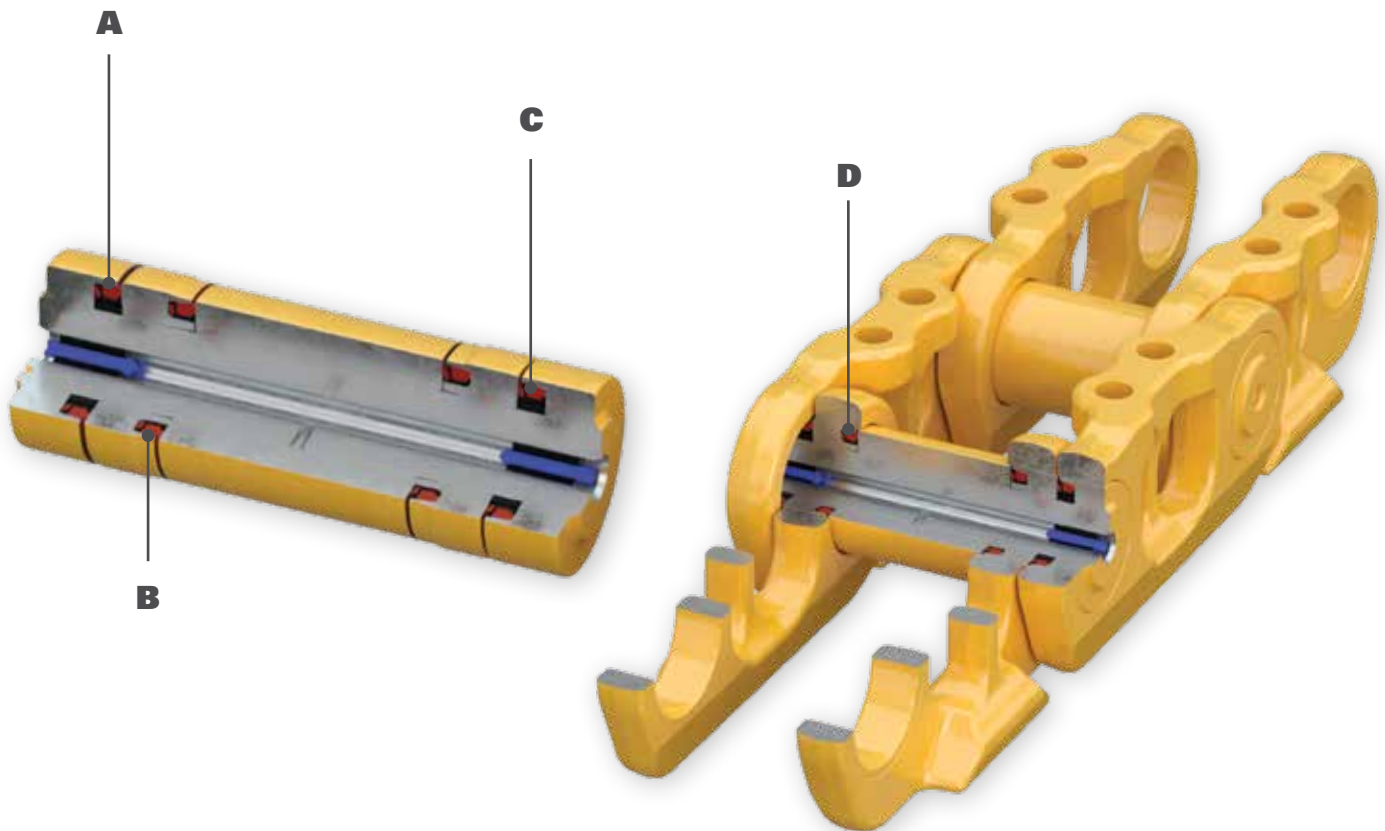
*Compared to Cat Heavy Duty Extended Life (HDXL) undercarriage.

**See field test results page.

INNOVATIVE IMPROVEMENTS

IMPROVED SEALABILITY

Combined with the proven wear life of rotating bushing technology means Cat Abrasion needs less time for maintenance and costs less to operate.



FIRST-TO-MARKET CARTRIDGE DESIGN

A TOUGHER THRUST RING MATERIAL

Resists chipping and cracking

B NEW EXTENDED LIFE (XL) COATING

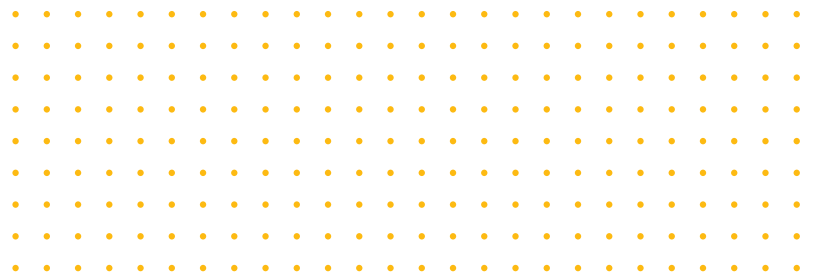
Reduces end grooving, corrosion and seal lip wear

C REFINED SEAL BORE GEOMETRY

Improves seal life in the harshest conditions

D NEW TRACK SEAL & LOAD RING DESIGN

Reduces packing and oil loss in freeze/thaw conditions



CURRENT AVAILABILITY: D3-D6 DOZER MODELS



STRONG SUPPORT FOR YOUR BOTTOM LINE

Your Cat dealer can help you manage your undercarriage for longer wear life and lower operating costs.

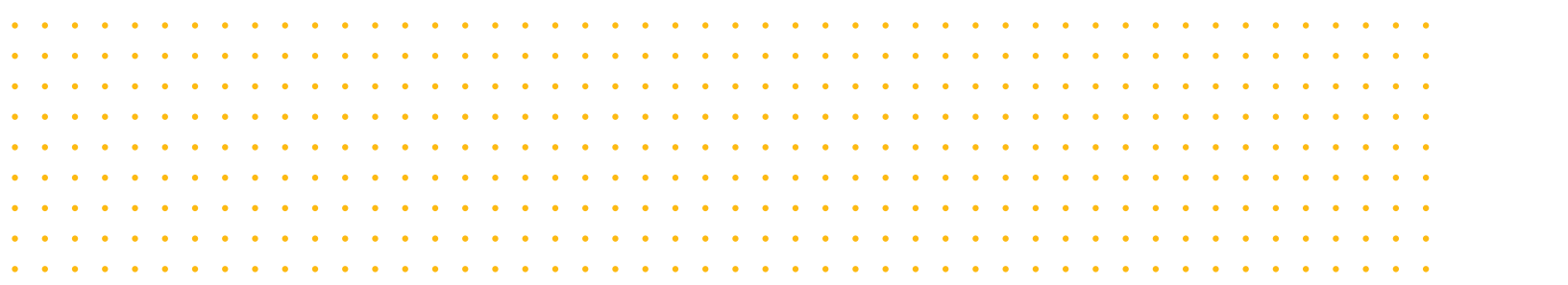
HERE'S HOW:

CAT® UNDERCARRIAGE ASSURANCE (UA) PROGRAM

Cat Abrasion offers leakage and breakage coverage for 4 years/6,000 hours, or 100% worn, whichever comes first.

CUSTOM TRACK SERVICE (CTS) UNDERCARRIAGE MANAGEMENT

Used by dealer undercarriage specialists, CTS offers customers an efficient inspection process for measuring and managing wear components, identifying equipment issues, predicting undercarriage wear-out timing and calculating cost per hour.



CAT UNDERCARRIAGE: A LINEUP OF TOP PERFORMERS

Cat Abrasion undercarriage is designed to meet specific application and machine requirements and deliver the industry's lowest cost per hour.

Cat engineers spent thousands of hours talking to customers, designing and testing undercarriage performance in high abrasion, low-to-medium impact applications. Their mission was to figure out the most effective ways to reduce dry joints and improve sealability to create the lowest cost-per-hour undercarriage. Their efforts paid off.

	GENERAL DUTY	HEAVY-DUTY EXTENDED LIFE (HDXL)	CAT ABRASION
WHERE IT SHOULD WORK	General, light-duty applications with low-to-moderate impact conditions	All applications, including Forestry and Waste, needing production in medium-to-high impact conditions	Applications with high abrasion and low-to-moderate impact conditions
TYPE OF JOB	Utility	Production	Production
HOW IT IS MANUFACTURED*	Cat specifications met within relaxed tolerances	Cat specifications met within tight tolerances	Cat specifications met within tight tolerances
TYPE OF MAINTENANCE	Bushing turn capable, not guaranteed	Bushing turn, wet turn guaranteed	Not required due to design
ABILITY TO REBUILD OR REUSE	Designed to run to destruction	Idlers can be reused or rebuilt	Idlers and segments can be reused

*Manufacturing requirements include grade of material, heat treatment, form, fit, function and dimensional accuracy.





CAT® ABRASION™

UNDERCARRIAGE

ADVANTAGES

- Lowest total cost of ownership (TCO) in high-abrasion applications
- Improved sealing system capable of up to two times the life of previous systems
- Custom track service undercarriage management
- Caterpillar Undercarriage Assurance Program
- Dealer service and parts accessibility
- Lowest cost-per-hour system in the industry
- Industry's longest wear life in demanding, high-abrasion applications

If you work in high-abrasion, low-to-moderate impact applications, take a look at Cat Abrasion. The cartridge and seal advancements will deliver undercarriage performance at the industry's lowest cost per hour.

For more information, contact your local Cat dealer.



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