

# SERVICE MANUAL

## Tigercat 630 SKIDDER

Issue 2.1, MARCH 2003

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630-SM00

#### 630 Available Literature

Operator's Manual .....	Part No. 5843A
Service Manual (This Manual) .....	Part No. 6701A
Parts Catalog .....	Part No. 5321A
Hydraulic Adapters Book .....	Part No. 1472A
Hose Assemblies Book .....	Part No. 3707A
Low power complaint checklist .....	Part No. 13791A

## Tigercat®

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# Tigercat 630 Skidder

## INTRODUCTION

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An Operator's manual, Service manual and a Parts catalog are provided by **Tigercat** to assist the dealer, customer and operator in becoming familiar with the features of the 630 Skidder.

The operator's manual will assist the operator with the techniques of proper and safe operation of the Skidder. The service manual contains safety guidelines, a preventive maintenance schedule and servicing procedures to ensure optimum machine performance.

Section 1 in both the operator's manual and the service manual contains safety information that must be followed. As well, throughout the rest of the manuals WARNING and CAUTION notices are displayed where necessary, drawing attention to possible hazards when performing certain procedures.

Only trained personnel should be allowed to operate or work on the machine.

The information contained in this manual is current at time of printing. Improvements to the machine are on-going and may not be covered, therefore in these cases contact your **Tigercat** dealer for the appropriate information.

The Company reserves the right to change information contained herein at any time without prior notice.

**Tigercat Industries Inc.**

**S.A.E. STANDARDS****ROLL-OVER PROTECTION STRUCTURES (ROPS)****FALLING OBJECTS PROTECTION STRUCTURES (FOPS)****OPERATOR PROTECTION STRUCTURES (OPS)****\* MODIFICATIONS AND REPAIRS:**

The integrity of the ROPS, FOPS, OPS structure and its continued ability to provide the level of protection it was designed for could be seriously affected by any modifications to the structure, its mounting or to the chassis to which it is attached.

**Tigercat** emphasizes that the certification of approval of the ROPS, FOPS, OPS structure will become void if any such modifications take place.

**Tigercat** may officially grant approval for modifications only by:

- i. Written approval of repairs or modifications signed by the **Tigercat** Engineering Manager; or
- ii. Approved modifications officially released by **Tigercat**

Both of the above are provided that the work is carried out in the factory approved manner.

Unauthorized modifications and/or repairs made or contributed to by a customer or a **Tigercat** distributor may result in creating a dangerous situation and therefore the customer or **Tigercat** distributor will be considered to have assumed the risk involved or be negligent in creating this situation.

**Tigercat** will not be held responsible for situations arising from having created unauthorized modifications/changes to the structure.

Operator's cabs are designed to ROPS, FOPS, OPS standards so that they will withstand force and absorb energy during a roll-over (ROPS), when resisting the impact of a falling object (FOPS) and minimize the possibility of operator injury from penetrating objects (OPS). When a permanent deflection of the structure occurs, the structure can no longer provide the original designed level of protection and should be replaced. Attempts to straighten the structure, particularly by the application of heat, can reduce still further the structures remaining capability to protect.

The mounting and the frame or chassis to which the cab is attached is considered an integral part of the ROPS, FOPS, OPS and is included in the design, test and certification of the product.

Contact the **Tigercat** Service department before attempting any modifications or repair to roll-over protective structures.

**Tigercat Industries Inc.**

NOTICE OF CERTIFICATION	
THIS STRUCTURE MEETS THESE REQUIREMENTS OR RECOMMENDED PRACTICES	
MANUFACTURED BY <b>Tigercat Industries Inc.</b> Brantford, Ont., Canada	
ROPS SAE J1040	MAY94
FOPS SAE J231	JAN81
OPS SAE J1084	APR80
Tigercat Model 620/630	
MAXIMUM GROSS WEIGHT	47,000 lbs.
MANUFACTURERS CERTIFICATION NO.	901099

## NON-APPROVED FIELD PRODUCT CHANGES

The installation of any unauthorized attachment or changes made of any kind to this **Tigercat** product could affect the product's ability to perform as originally intended. The product's integrity, stability and safety could be at serious risk.

IT IS **Tigercat** POLICY THAT NO CHANGES ARE TO BE MADE TO ITS PRODUCTS INCLUDING DELETIONS OR ADDITIONS OTHER THAN A **Tigercat** APPROVED OPTION FITTED IN THE FACTORY APPROVED MANNER.

Official approval to make changes or install options is **only** as follows:

- i) The relevant options for that product must be shown or listed on current **Tigercat** documentation or literature such as a printed specification sheet, price list, parts manual, or product literature issued by **Tigercat**.
- ii) Approved options or product changes authorized in writing by the **Tigercat** Engineering Manager.

AUTHORIZATION BY ANY OTHER PERSON IS UNACCEPTABLE.

Unauthorized changes made or contributed to by a person or organization may result in creating a dangerous situation and therefore the person or organization will be considered to have assumed the risk involved or be negligent in creating this situation.

Weight is an important factor when considering the addition of options or an attachment. Refer to your **Tigercat** distributor for information on maximum permissible operating weight and the effect the addition of various options may have on your machine.

**Tigercat** will not be held responsible for any situation that may arise resulting from Non-approved Field Product Changes to its product.

Should **Tigercat** become involved in a suit resulting from changes made to the product without proper authorization by **Tigercat** as stated above, **Tigercat** will take whatever action is appropriate to protect its interests.

The product warranty policy and the certification on any safety items installed on the modified product will become NULL and VOID if the above policy is not adhered to as specified.

Non-approved product changes also nullify warranties given to **Tigercat** by its component manufacturers.

**Tigercat Industries Inc.**

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