

SERVICE MANUAL

Tigercat AD610C CARRIER

Issue 1.2, DECEMBER 2010

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AD610C-SM00-1.0

AD610C Available Literature

Operator's Manual, English	Part No. 35611A
Service Manual, English (This Manual)	Part No. 35612A
Vehicle Moving and Transporting Instructions	Part No. 35761AMUL
Parts Catalog, English	Part No. 35609A

Tigercat®

Tigercat Industries Inc.
P.O. Box 637
Brantford, Ontario
Canada N3T 5P9
Tel: (519) 753-2000
Fax: (519) 753-8272

epcatalogs.com

Tigercat AD610C Carrier

INTRODUCTION

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 AD610C Carrier.

Serial numbers:-

6109001 to 6109250

The AD610C Carrier is designed as an aerial device carrier for forestry/utility applications including tree trimming and line clearing as well as general aerial work on and around energized conductors.

The operator's manual will assist the operator with the techniques of proper and safe operation of the AD610C Carrier. The service manual contains safety and servicing procedures and a preventive maintenance schedule to assist in repair and to ensure optimum machine performance. For manual part numbers, see the title page in each manual.

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 phrase "**and up**" appearing in this manual after the serial number implies that the related information is current for any machine serial number HIGHER than the serial number preceding the "**and up**".

Tigercat reserves the right to make changes to the machine after this manual release date that may not immediately appear in this manual.

Every effort is made to speed out updates on a regular basis. If the machine in question was built after the release date of this manual and there is a discrepancy, call Tigercat service department. The release date appears on the first page.

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 Tigercat Industries Inc. Paris, Ont., Canada	
ROPS SAE J1040	MAY94
FOPS SAE J231	JAN81
OPS SAE J1084	APR80
Tigercat Model 600	
MAXIMUM GROSS WEIGHT	47,000 lbs.
MANUFACTURERS CERTIFICATION NO.	901099
6958A R4	

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.

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