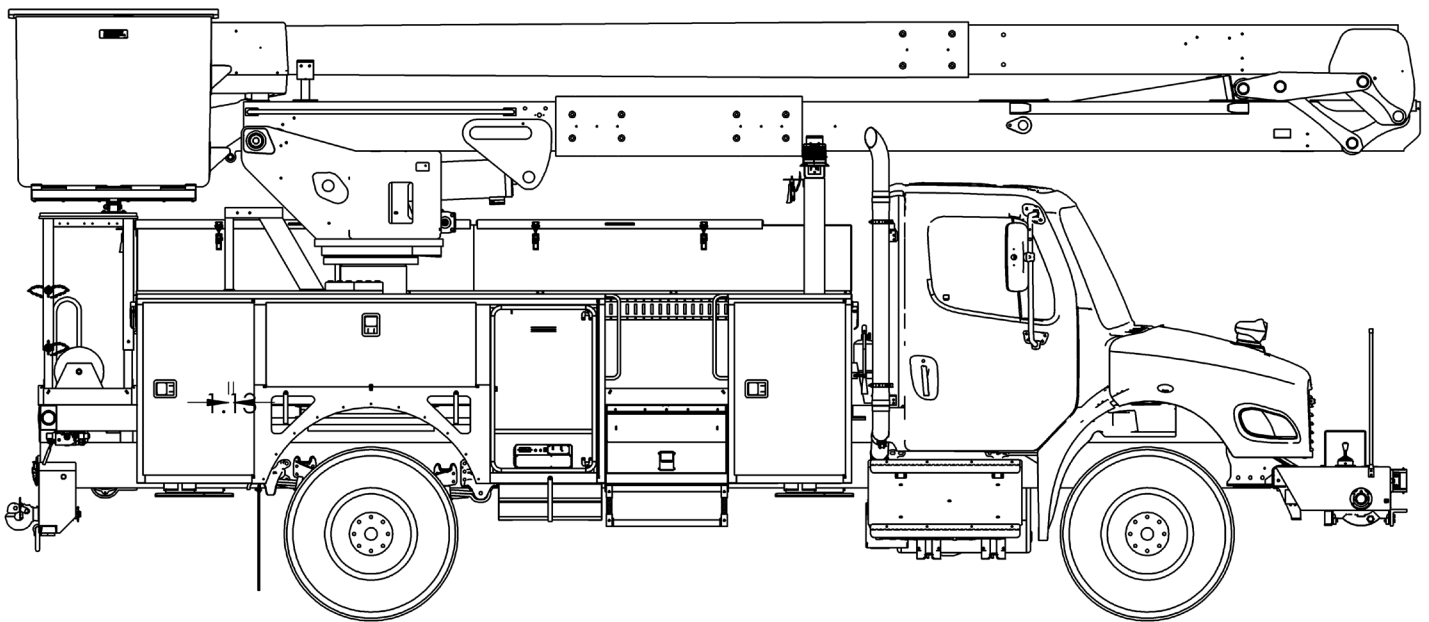




TECH TIPS

AERIAL LOAD CHARTS P/N 493585

NO. 20



GENERAL KNOWLEDGE
AERIAL LOAD CHARTS



MODEL(S):
AERIAL UNITS USING LOAD
CHART 493585



TOOLS NEEDED:
NONE

TEREX UTILITIES TECHNICAL SUPPORT TEAM

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DANGER

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury.

Many of the hazards identified in the Operator's Manual are also safety hazards when maintenance and repair procedures are performed.

DO NOT PERFORM MAINTENANCE UNLESS:

- ✓ You are trained and qualified to perform maintenance on this machine.
- ✓ You read, understand and obey:
 - manufacturer's instructions and safety rules
 - employer's safety rules and worksite regulations
 - applicable governmental regulations
- ✓ You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this Tech Tip is a supplement to the Service Manual. Consult the appropriate Service Manual of your machine for safety rules and hazards.



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INTRODUCTION

An operator will move a transformer from the ground and position it on a pole. Using the information in the following steps, determine if the lift plan can be achieved while remaining within the limits of the load chart.



This tech-tip demonstrates how to use a load chart. Always use the unit specific load chart to determine capacities and to plan the path of the load.

STEP 1

The transformer has a known weight of 150 lbs. Performing a dry run, the operator determined the boom angles required to move and place the transformer.

TL50 JIB LIFTING CAPACITIES					
UB ANGLE	WINCH CENTER TO LOAD LINE				
	0' TO 2'	2' TO 3'	3' TO 4'	4' TO 5'	OVER 5'
	75°	1300	750	650	300
	65°	800	750	650	
	60°	650	625	600	
	45°	425	400	375	
	30°	150	125	100	100
	15°	0			
	0°				
	-15°				
-30°	150	125	100	100	100
-40°	150	125	100	100	
MAX	1500	750	650	400	400

EQUIPPED AS FOLLOWS:

- SIDE MOUNT BOOM TIP WITH PLATFORM LIFTER
- 500 LB. PLATFORM CAPACITY.
- CAPACITIES ARE IN LB.
- 90% OF THE UNUSED BASKET CAPACITY CAN BE ADDED TO THE JIB, UP TO A LOAD RADIUS OF 3'. NOT TO EXCEED VALUES SHOWN IN THE "MAX" ROW

493585A

Load Radius	1 foot	Liner	60 lbs.
Operator	240 lbs.	Tools	40 lbs.
Transformer	150 lbs.	Upper Boom Angle	20° to 60°



FOR FURTHER ASSISTANCE,
CONTACT THE TEREX UTILITIES TECHNICAL SUPPORT TEAM
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