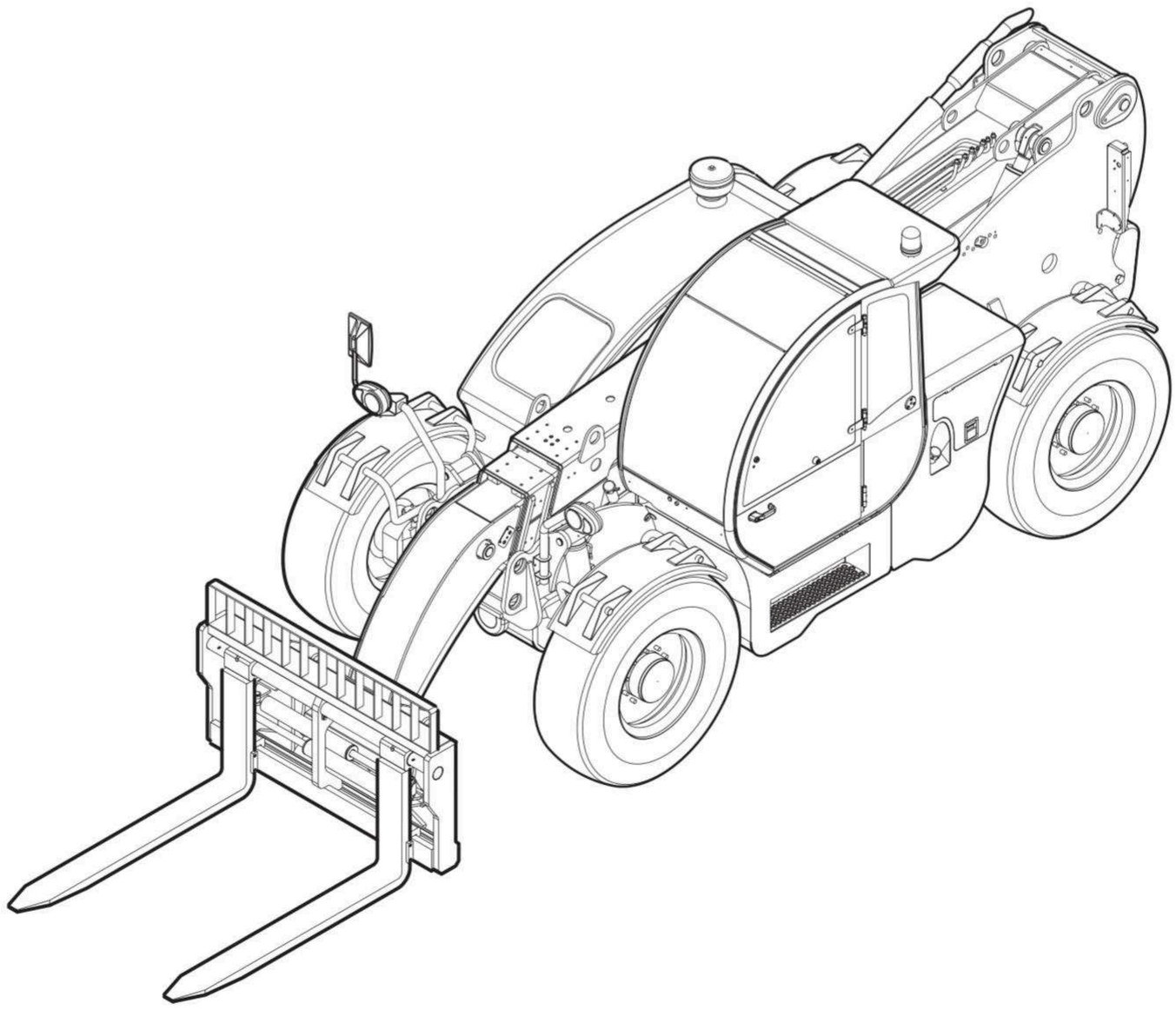
TEREX®

SERVICE MANUAL

Code 57.4403.0200 - 1st Edition 10/2006

Handler with telescopic boom

Telelift 4013 SX *(From serial n. 15641)*



English

Edition

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Section 1
SAFETY INFORMATION

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2.7 FORKS (floating type)

			Telelift 4013 SX
•	Dimensions	mm	1200x120x50
•	Weight	kg	70
•	Fork holding frame - class		FEM III

2.8 DIESEL ENGINE

			Telelift 4013 SX
•	Make		CUMMINS
•	Model/Type		4B 4,5T
•	Features		Diesel 4 cylinders in line 4 strokes direct injection
•	Bore x Stroke	mm	102x120
•	Total displacement	cc	4500
•	Power at 2300 rpm	kW	74

2.9 ELECTRICAL SYSTEM

			Telelift 4013 SX
•	Voltage	V	12
•	Battery	Ah	120

2.10 MACHINE SOUND LEVELS

			Telelift 4013 sx
•	Guaranteed sound power level (in accordance with the Directive 2000/14/CE)	dB	Lwa = ...
•	Measured sound pressure level (in accordance with the Directive 98/37/CE)	dB	Lpa = ...

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5.1 INTRODUCTION

- *Maintenance inspections shall be completed by a person trained and qualified on the maintenance of this machine.*
- *Immediately tag and remove from service a damaged or malfunctioning machine.*
- *Repair any damage or malfunction before operating machine.*
- *Unless otherwise specified, perform each procedure with the machine in the following configuration:*
  - *machine parked on a flat level surface;*
  - *boom in the stowed position;*
  - *key switch in the OFF position with the key removed.*

Before troubleshooting:

- *Read, understand and obey the safety rules and operating instructions printed in the Operator Manual of the machine.*
- *Be sure that all necessary tools are available and ready for use.*
- *Read each appropriate flow chart thoroughly.*
- *Pay special attention to the following warnings:*

⚠DANGER

Crushing hazard. When testing or replacing any hydraulic component, always support the structure and secure it from movement.

⚠WARNING

Electrocution hazard. Contact with electrically charged circuits may result in death or serious injry. Remove all rings, watches and other jewerly.

⚠WARNING

Spraying hydraulic oil can penetrate and burn skin; loosen hydraulic connections very slowly to allow the oil pressure to dissipate gradually. Do not allow oil to squirt or spray.

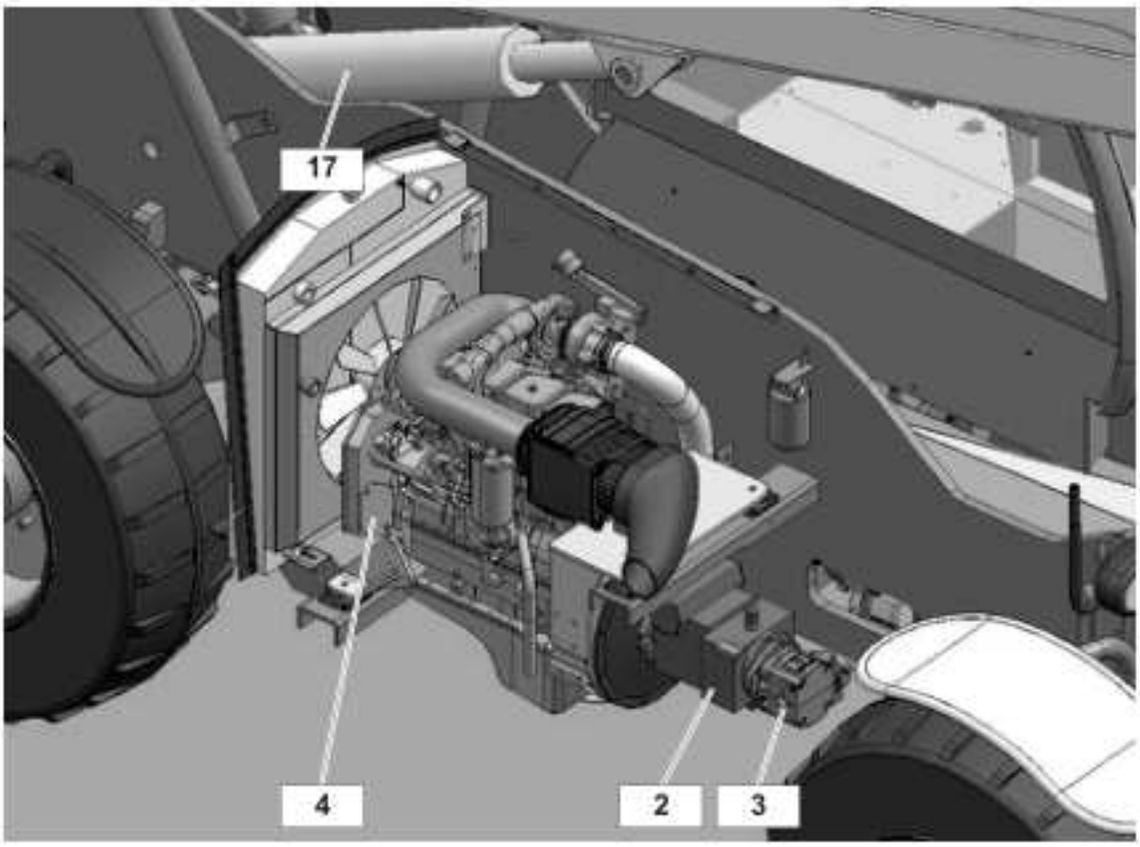
CAUTION

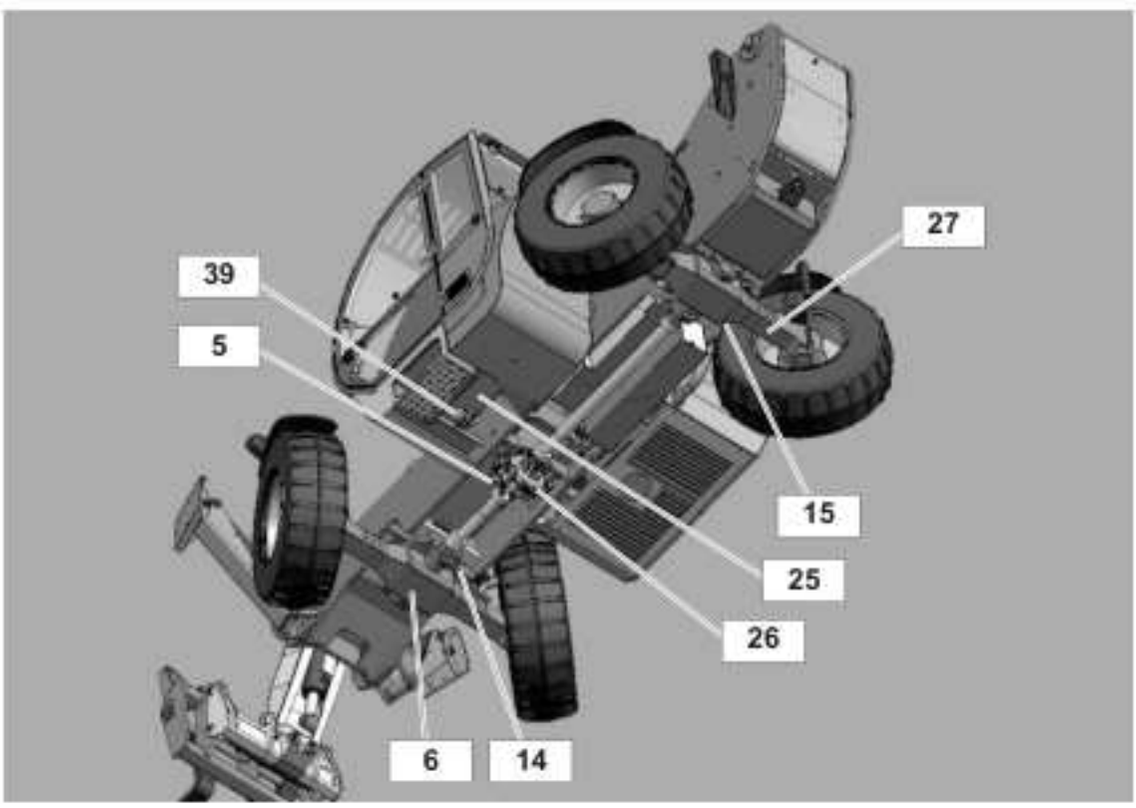
Perform all troubleshooting on a firm level surface.

CAUTION

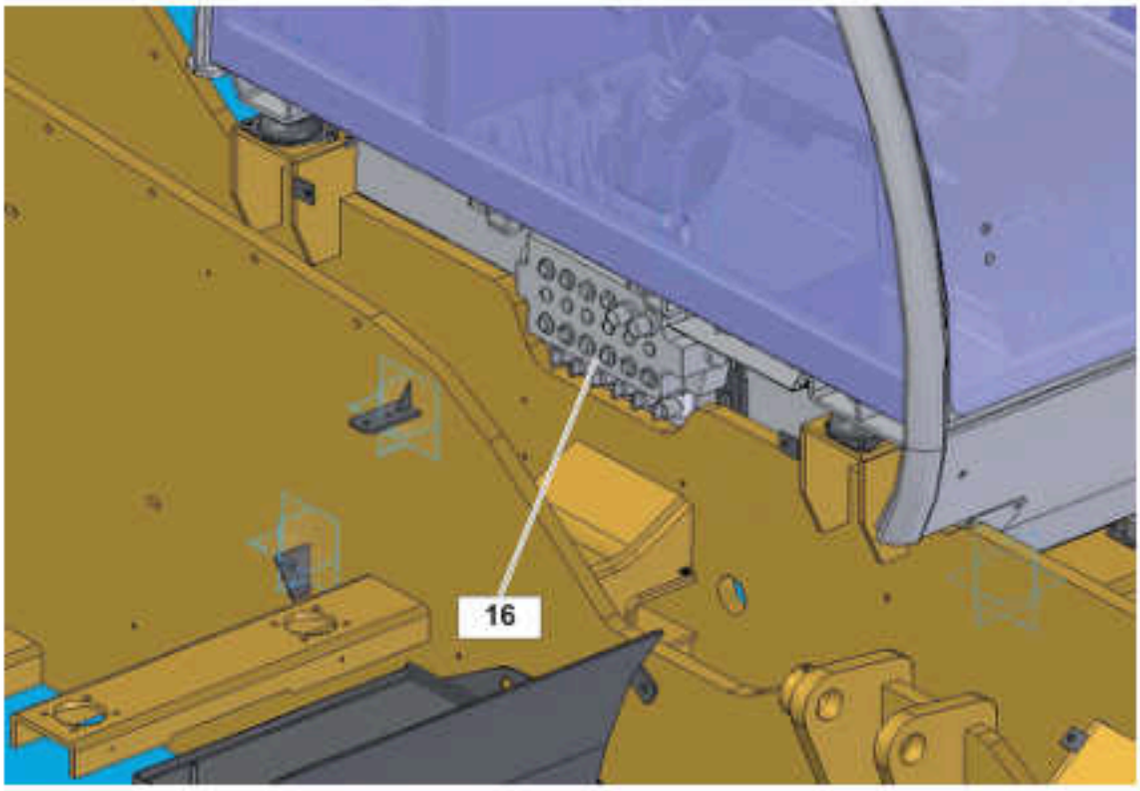
Two person will be required to safely perform some troubleshooting procedures.

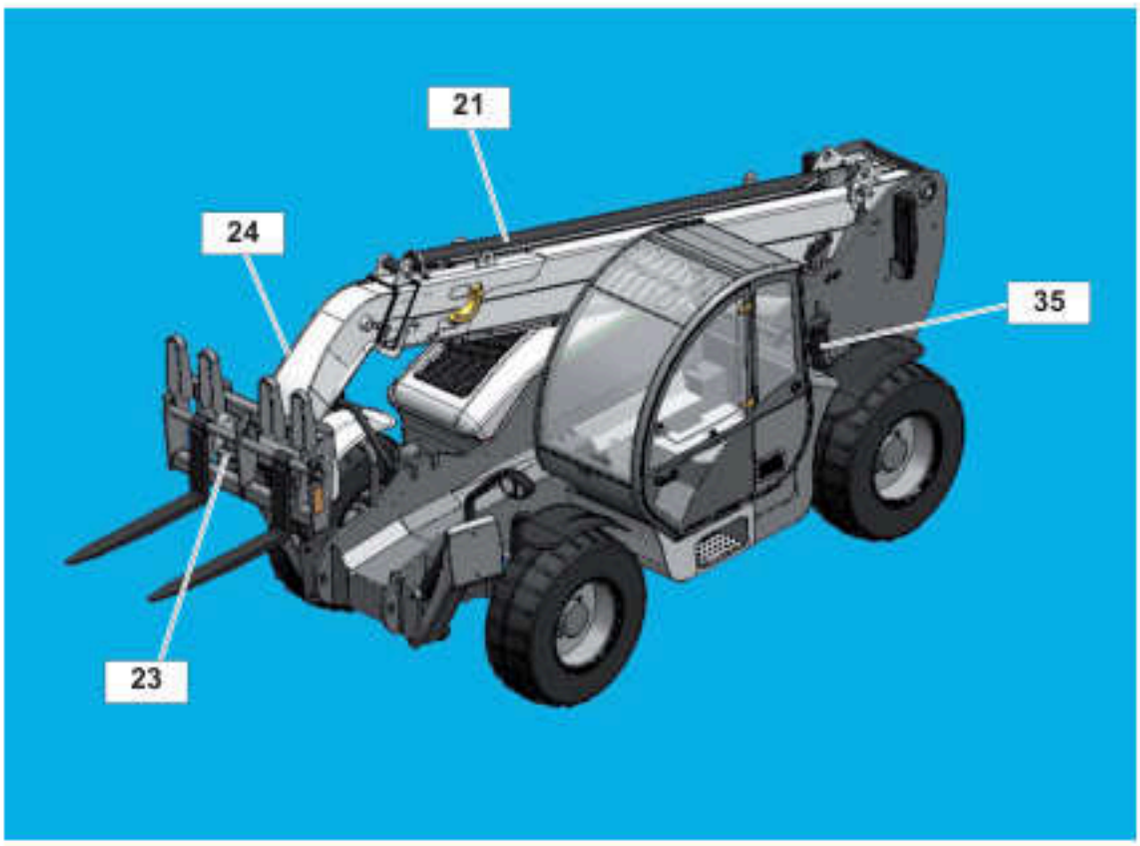
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C-15 CHECK THE EFFICIENCY OF THE BLOCK VALVES

The piloted blocking valves allow to held the load in position in case of burst of a flexible hose.

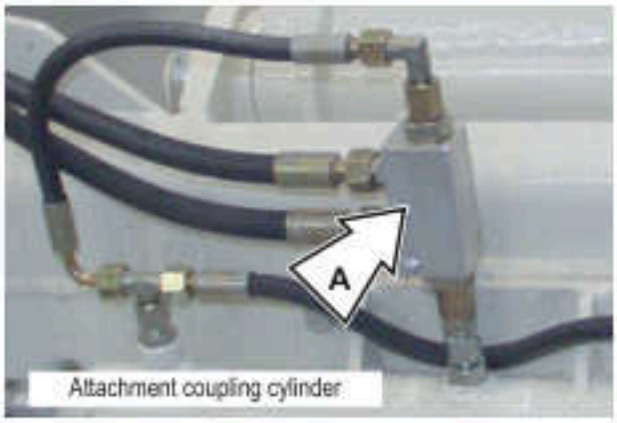
To check the efficiency of a valve, proceed as follows:

- Load a weight near the maximum payload (3500 kg roughly) onto the boom.
- Raise the load some centimetres above the ground (max 10 cm). To check the valve on the telescope extension cylinder move the boom to maximum height and extend it some centimetres.
- Loosen the oil hoses to the cylinder of which you are checking the valve with caution.
- To check the efficiency of the block valves of the outriggers, lower them to the ground and unload the weight of the tyres without raising them. Loosen the cylinder hoses to check the efficiency of the valve.

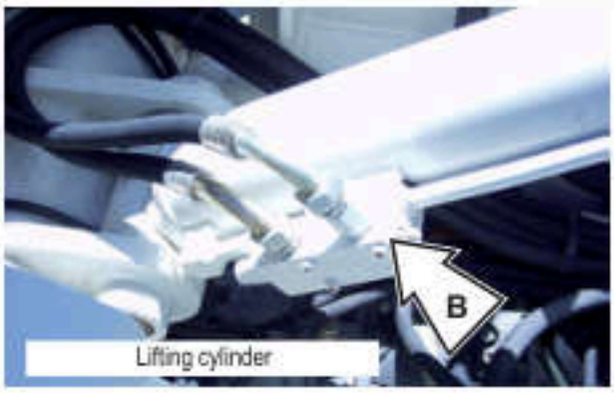
During the check, the oil will flow out of the hoses and the load shall remain blocked in position.
Should that not be the case, the valve must be replaced. Contact TEREXLIFT Technical Service.

NOTICE

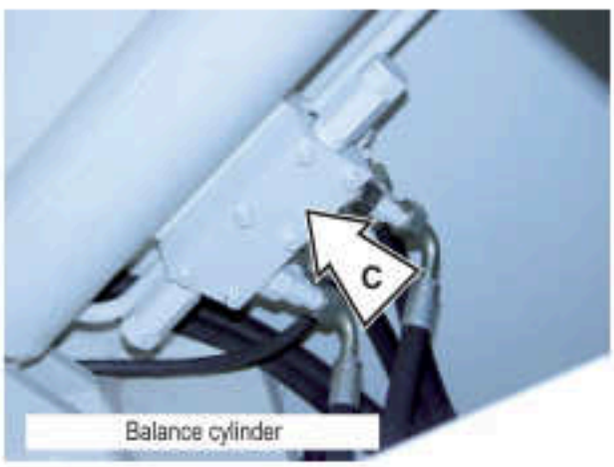
Place a container of suitable size under the hoses.



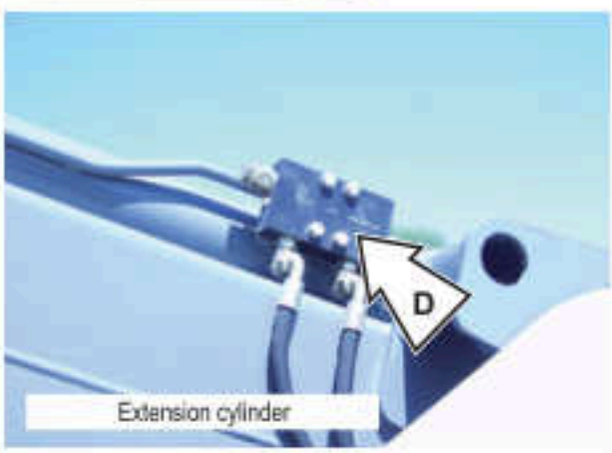
Attachment coupling cylinder



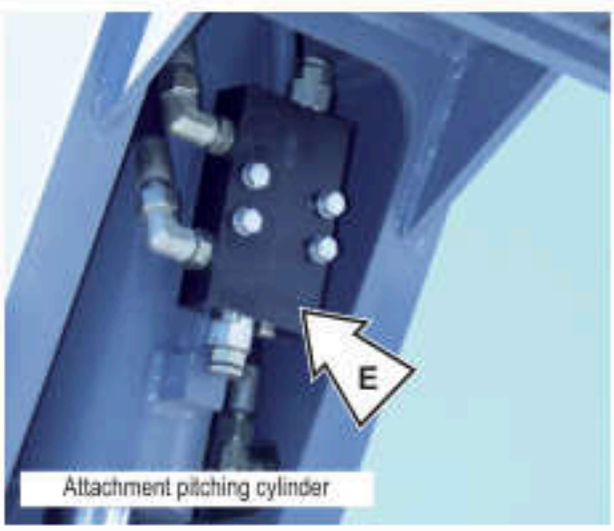
Lifting cylinder



Balance cylinder



Extension cylinder

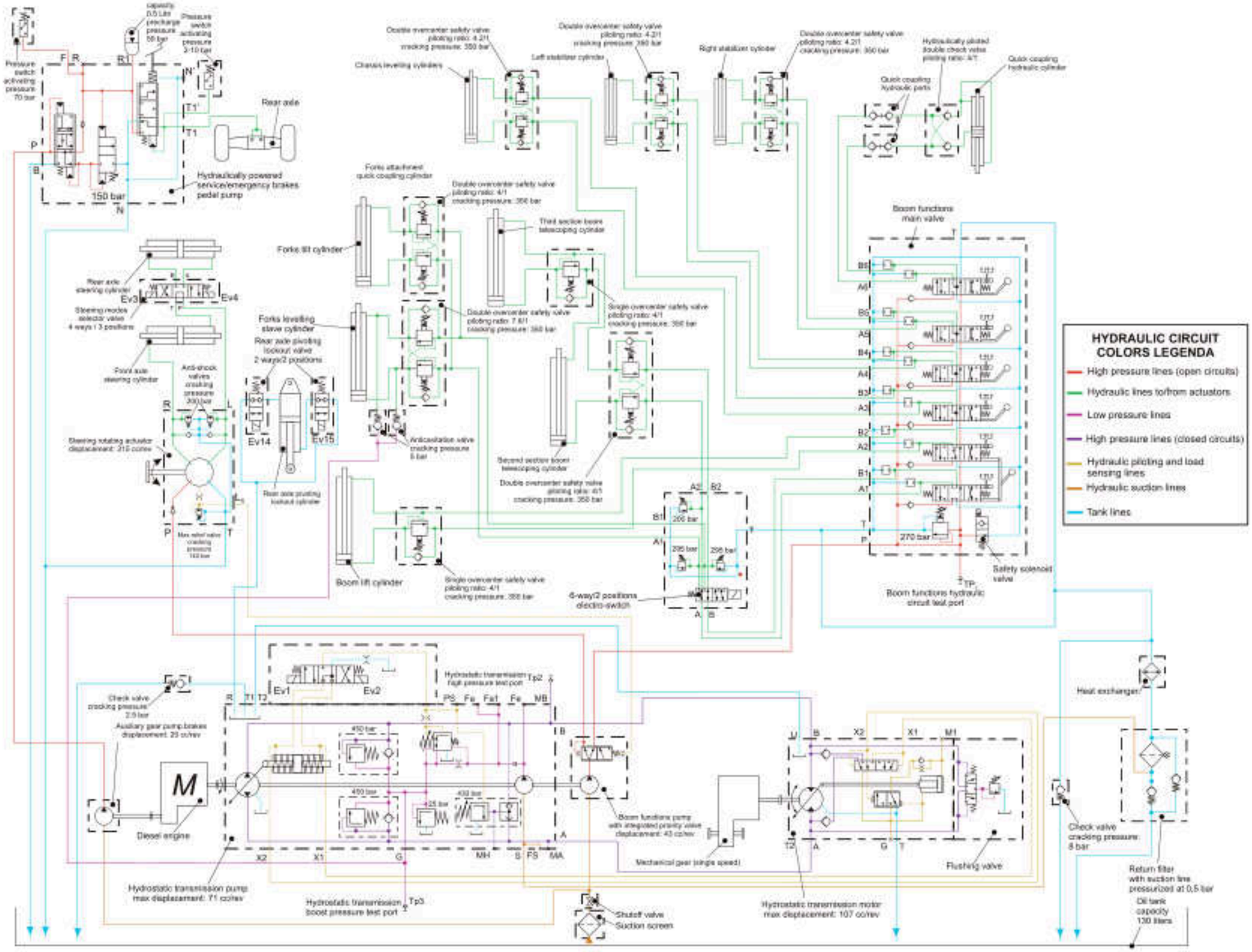


Attachment pitching cylinder

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6.2 HYDRAULIC SCHEMATIC

6.2.1 Telelift 4013 SX



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