



Operating, Service and Maintenance Manual

ATF 30 – 2L



Vehicle identification no: WFN2 RTZ P6 52023287

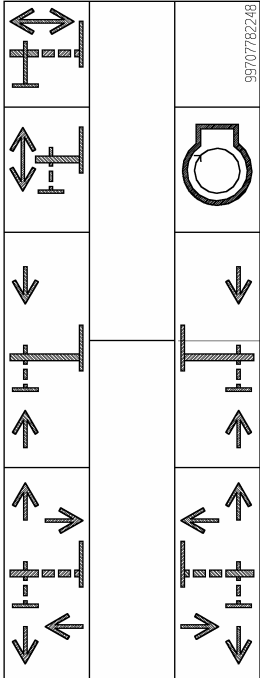
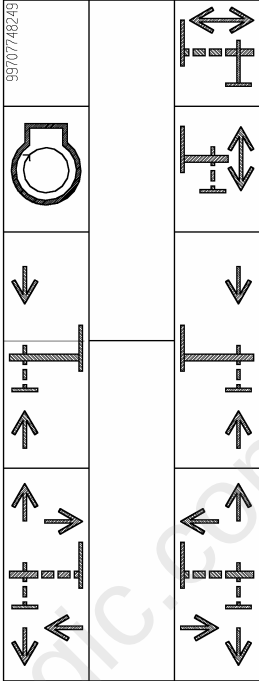
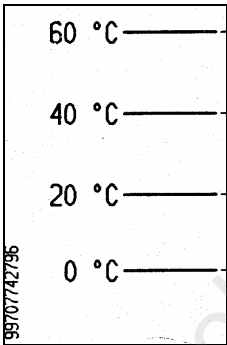
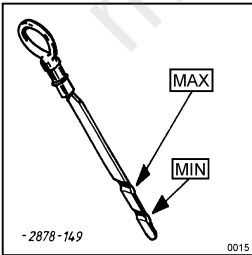
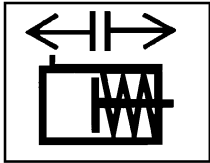
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(cont'd.) **1.1** **Warning and instruction plates in the chassis**

 9970778248 Outriggers horizontal / vertical	 99707748249 Outriggers horizontal / vertical
 99707742796 Oil level indicator	 0012 2877-452 Parking brake (handbrake)
 - 2878 - 149 0015 Oil dipstick	 0013 Release air accumulator cylinders

20.9 Telescoping ropes and telescopic boom

- ◆ Regular maintenance work and inspections have been marked "X" in the columns "Service hours". Work and inspections to be effected at different intervals have been specified in the column "Remarks".

Assemblies / Maintenance work every	Service hours							Remarks
	10	125	250	500	1000	2000	15000	
Check boom rope mechanism (have rope tension checked by specialist staff).				X				
Telescoping ropes and telescopic boom							X	After approx. 15,000 service hours or at the latest after 10 years. We recommend replacing ropes and pulley bearings.

20.9.1 Maintenance instructions for the rope mechanism of telescopic booms

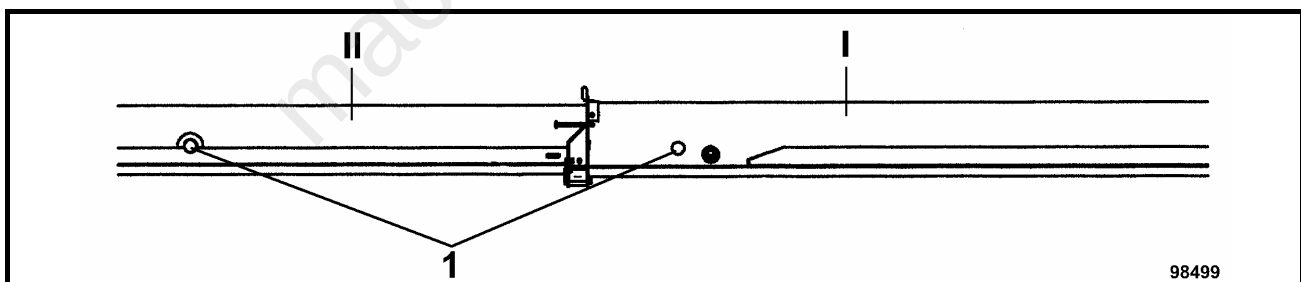
The boom rope mechanism must be checked for proper working order at regular intervals, taking account of the actual operating conditions, at least, however, every 500 service hours.

After any impact due to shock, after extraordinary strain or in the case of frequent use in an aggressive environment, the boom pull-out ropes must be checked at shorter intervals.

After any replacement of the telescoping ropes, checks should be performed more frequently in the time following replacement.

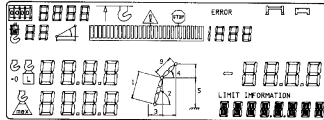
If abnormal sounds occur during telescoping or in the case of visible scratches along the telescope sides, crane operation must be stopped immediately and the cause must be determined.

The boom pull-out ropes and retraction ropes can be checked through the inspection ports (1) in the telescopes I and II while the boom is extended and aligned in horizontal position.



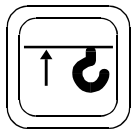
After approx. 15,000 service hours or after 10 years at the latest, the telescopic boom must be dismantled completely and all telescopic elements, including the entire boom rope mechanism and the rope end fasteners, must be checked for damage or wear.

(1) DATA DISPLAY



The *DATA DISPLAY* (1) is a multi-functional LC display which shows load, geometrical and crane data. The display is further described at chapter 3.4.

(2) ANTI-TWO BLOCK INDICATOR



The red *ANTI-TWO-BLOCK INDICATOR* (2) will light up when the anti-two-block limit switch contacts open, indicating that a two-blocking condition is approaching. At the same time the audible alarm will sound.

The following crane movements will be stopped subsequently: hoist up, telescope out, boom down.

WARNING

This condition, if not prevented, will cause the wire rope to break, allowing the load to fall. Two blocking can be caused by raising the load into the boom head, lowering the boom without paying out hoist line and, in case of a hydraulic crane, by extending the boom without paying out hoist line.

(3) LOAD MOMENT PREWARNING LIGHT



The yellow *LOAD MOMENT PREWARNING LIGHT* (3) will light up when the load on the crane is between 90 and 100 % of the crane rating, indicating that an overload condition is approaching.

ATTENTION

This means for the operator to continue his crane operation with extreme caution.

Full Version Available

Tadano ATF 30-2L All Terrain Crane Operator Manual

Tadano ATF 30-2L all terrain crane operator manual covering controls, safe operation, setup and daily checks. 2 PDF files, English and German.

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