



31200244
February 2, 2007



Operation and Maintenance Manual

TH560B Telehandler

S/N TBP00100 & After

Keep this manual with machine at all times.

Important Safety Information

Most accidents that involve product operation, maintenance and repair are caused by failure to observe basic safety rules or precautions. An accident can often be avoided by recognizing potentially hazardous situations before an accident occurs. A person must be alert to potential hazards. This person should also have the necessary training, skills and tools to perform these functions properly.

Improper operation, lubrication, maintenance or repair of this product can be dangerous and could result in injury or death.

Do not operate or perform any lubrication, maintenance or repair on this product, until you have read and understood the operation, lubrication, maintenance and repair information.

Safety precautions and warnings are provided in this manual and on the product. If these hazard warnings are not heeded, bodily injury or death could occur to you or to other persons.

The hazards are identified by the "Safety Alert Symbol" and followed by a "Signal Word" such as "DANGER", "WARNING" or "CAUTION". The Safety Alert "WARNING" label is shown below.



The meaning of this safety alert symbol is as follows:

Attention! Become Alert! Your Safety is Involved.

The message that appears under the warning explains the hazard and can be either written or pictorially presented.

Operations that may cause product damage are identified by "NOTICE" labels on the product and in this publication.

Caterpillar cannot anticipate every possible circumstance that might involve a potential hazard. The warnings in this publication and on the product are, therefore, not all inclusive. If a tool, procedure, work method or operating technique that is not specifically recommended by Caterpillar is used, you must satisfy yourself that it is safe for you and for others. You should also ensure that the product will not be damaged or be made unsafe by the operation, lubrication, maintenance or repair procedures that you choose.

The information, specifications, and illustrations in this publication are on the basis of information that was available at the time that the publication was written. The specifications, torques, pressures, measurements, adjustments, illustrations, and other items can change at any time. These changes can affect the service that is given to the product. Obtain the complete and most current information before you start any job. Caterpillar® dealers have the most current information available.



When replacement parts are required for this product Caterpillar recommends using Caterpillar replacement parts or parts with equivalent specifications including, but not limited to, physical dimensions, type, strength and material.

Failure to heed this warning can lead to premature failures, product damage, personal injury or death.

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Tire Pressure.....	94	Clean/Replace		Clean/Replace	119	Tire Inflation Pressure Adjustment.....	94	Cleaning Primary Air Filter Elements		Cleaning Primary Air Filter Elements	120	Tire Damage	95	Inspecting the Primary Air Filter Elements....		Inspecting the Primary Air Filter Elements....	120	Tire Replacement.....	95	Engine Air Filter Primary Element - Replace		Engine Air Filter Primary Element - Replace	121	Wheel and Tire Installation.....	95	Engine Air Filter Secondary Element - Replace		Engine Air Filter Secondary Element - Replace	121	Lubricant Viscosities and Refill Capacities	96	Engine Mounts - Inspect		Engine Mounts - Inspect	121	Lubricant Viscosities	96	Engine Oil Level - Check		Engine Oil Level - Check	122	Capacities (Refill)	98	Engine Oil Sample - Obtain		Engine Oil Sample - Obtain	122	SOS Information.....	98	Engine Oil and Filter - Change		Engine Oil and Filter - Change	122	Maintenance Support	99	Engine Valve Lash - Check.....		Engine Valve Lash - Check.....	124	Welding on Machines and Engines with		Final Drive Oil - Change.....		Final Drive Oil - Change.....	124	Electronic Controls.....	99	Final Drive Oil Level - Check		Final Drive Oil Level - Check	125	Maintenance Interval Schedule	99	Final Drive Oil Sample - Obtain		Final Drive Oil Sample - Obtain	125	Axle Breathers - Clean/Replace.....	101	Fork Leveling Cylinder Pin -Lubricate		Fork Leveling Cylinder Pin -Lubricate	126	Backup Alarm - Test.....	101	Frame Leveling Cylinder Pin -Lubricate		Frame Leveling Cylinder Pin -Lubricate	126	Battery - Recycle	101	Fuel System - Prime		Fuel System - Prime	126	Battery or Battery Cable -Inspect/Replace	101	Fuel System Water Separator - Drain		Fuel System Water Separator - Drain	127	Belt - Inspect/Replace	101	Fuel System Water Separator Element - Replace		Fuel System Water Separator Element - Replace		Inspect	101	(Tier II)		(Tier II)	127	Replace	102	Fuel System Water Separator Element - Replace		Fuel System Water Separator Element - Replace		Boom Chain - Inspect/ Lubricate	103	(Tier III)		(Tier III)	128	Boom Chain Tension -Check/Adjust	103	Fuel Tank Cap - Clean.....		Fuel Tank Cap - Clean.....	129	Check Condition.....	103	Fuel Tank Water and Sediment - Drain		Fuel Tank Water and Sediment - Drain	129	Check and Adjust the Chain Tension.....	103	Fuses and Relays - Replace		Fuses and Relays - Replace	130	Measure the Chain for Wear	104	Fuses		Fuses	130	Boom Cylinder Pin - Lubricate	105	Relays		Relays	132	Boom Head Section - Lubricate	105	Indicators and Gauges - Test.....		Indicators and Gauges - Test.....	133	Boom Pivot Shaft - Lubricate	105	Longitudinal Stability Indicator - Calibrate		Longitudinal Stability Indicator - Calibrate	133	Boom Telescoping Cylinder Air- Purge	105	Longitudinal Stability Indicator -Test		Longitudinal Stability Indicator -Test	133	Boom Wear Pad Clearance -Inspect/Adjust.....	106	Initial Test		Initial Test	133	Adjustment	107	Second Test.....		Second Test.....	133	Boom and Frame - Inspect.....	108	Oil Filter - Inspect.....		Oil Filter - Inspect.....	134																																																																														
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