

OPERATIONAL PERFORMANCE TEST / Excavator Test

HYDRAULIC CYLINDER CYCLE TIME

Summary:

1. To totally check the front attachment function performance by measuring each cylinder cycle time.
2. Bucket should be empty.

Preparation:

1. Take the following machine position:

- 1-1. When measuring the boom cylinder:

With the arm cylinder fully retracted and the bucket cylinder fully extended, lower the bucket to the ground.

- 1-2. When measuring the arm cylinder:

With the bucket cylinder fully extended, adjust the boom and arm cylinder strokes so that when the arm is moved half the full stroke, the arm longitudinal center line perpendicularly points to the ground and the bucket bottom clearance above the ground is approx. 0.5 m (20 in).

- 1-3. When measuring the bucket cylinder:

Adjust the boom and arm cylinder strokes so that when the bucket is moved half the full stroke, the bucket edge points to the ground perpendicularly.

- 1-4. When measuring the boom swing cylinder:

Set the boom swing cylinder in either the right or left swing stroke end position.

- 1-5. When measuring the blade cylinder:

Lower the bucket to the ground to raise the machine front off the ground and secure the height space to allow the blade to move up-and-down full stroke.

2. Maintain hydraulic oil temperature at 50 ± 5 °C (122 ± 9 °F).

Boom Cylinder



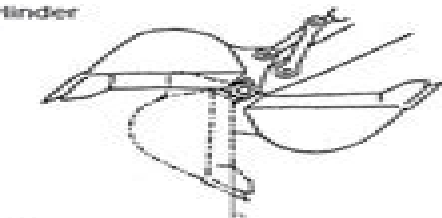
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Arm Cylinder



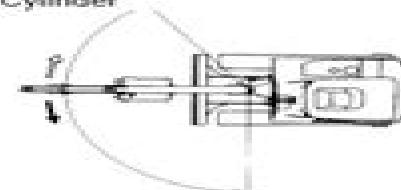
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Bucket Cylinder



T156-06-03-020

Boom Swing Cylinder



T523-06-03-006

Blade Cylinder



T570-06-03-007

Hitachi Ex 40 Service Manual

Brendan G. Carr



Hitachi Ex 40 Service Manual:

Adopting the Beat of Phrase: An Emotional Symphony within **Hitachi Ex 40 Service Manual**

In a world eaten by displays and the ceaseless chatter of instantaneous transmission, the melodic beauty and emotional symphony developed by the published word often diminish into the backdrop, eclipsed by the constant noise and interruptions that permeate our lives. Nevertheless, nestled within the pages of **Hitachi Ex 40 Service Manual** a wonderful fictional value brimming with raw emotions, lies an immersive symphony waiting to be embraced. Crafted by a masterful composer of language, that interesting masterpiece conducts readers on an emotional journey, skillfully unraveling the hidden melodies and profound impact resonating within each carefully constructed phrase. Within the depths of this poignant review, we will discover the book's main harmonies, analyze their enthralling publishing style, and surrender ourselves to the profound resonance that echoes in the depths of readers' souls.

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