

**SAMSUNG EXCAVATORS**

**SE280LC-3**  
**SE280NLC-3**



**SAMSUNG**

# Machines known for their advanced technology



## Improved Hydraulic Cylinders

We have adopted the use of anti-contamination piston seals, on our cylinders. This new sealing system provides improved sealing characteristics which will minimize internal leakage and enhance reliability.

## Boom and Arm Holding Valves

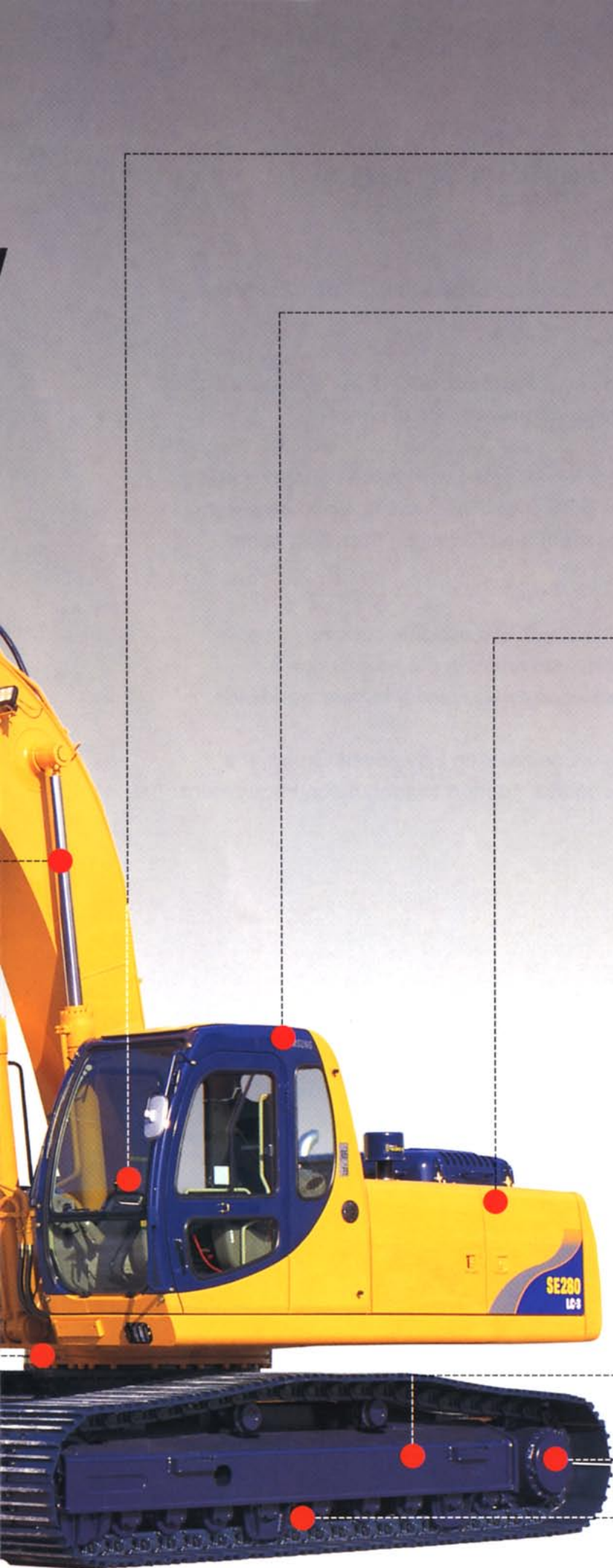
The boom and arm hydraulic circuits will now have holding valves installed standard. This will minimize cylinder drift when lifting or waiting to load haulers.

## Cushion Valves

Cushion valves have now been installed standard on the bucket cylinder as well as boom and arm cylinders. This will provide improved reliability and reduce the shock loads to the attachment and hydraulic system.

## Swing Control

The swing system has been improved and now incorporates an anti-rebound for greater accuracy when stopping. The new anti-rebound valve greatly reduces swing drift and provides smoother stops with virtually no rebound motion.



## ACS

ACS provides 4 work modes and 9 engine rpm settings. It also features a self diagnostic monitoring system for 7 vital machine functions.

## Operator Cab Mounts

Five strategically positioned silicon oil and rubber viscous cab mounts significantly reduce the shocks, vibrations and noises which are transmitted to the cab through the frame. By reducing the vibrations and noise that the operator feels, he suffers less fatigue or stress and is far more productive, especially at the end of the day.

## Low Emission Cummins Engine

The SE280LC-3 and SE280LCM-3 meet ISO 14001 criteria and also all currently known worldwide EPA standards for engine emissions. Cummins engines feature increased horsepower and improved fuel consumption efficiency.

## Final Drives

We now offer new 2-speed automatic travel motors as standard. These provide faster moves from job to job and automatically downshift to first speed for more power when encountering a hill or difficult travelling conditions.

## Improved Undercarriage Durability

Sealed and grease-lubricated tracks, combined with the use of alloy steel idlers and rollers and a fabricated center mount track guard, provide greater undercarriage durability.

## NLC Undercarriage

Narrow width for easy transportation.

# Advanced Technology in Action!

Today's customer wants an excavator that is easy to operate, economical to run, and powerful.

The excavator also has to be simple to service and supported worldwide by a company that is known for quality, safety and environmental concern.

Volvo Construction Equipment Group, a leader in the worldwide construction equipment market, introduces the new SE Series 3 excavators. Volvo engineers have placed a goal upon themselves to meet the challenges from customers worldwide.

Armed with a wide array of customer feedback and options, our innovative engineers have concentrated their efforts into creating the new Series 3 excavators, providing the ultimate satisfaction to equipment buyers worldwide.

The new Series 3 excavators from Volvo Construction Equipment Group, the definition of power, performance and operator comfort in construction equipment.

*Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.*

# **VOLVO**

**Volvo Construction  
Equipment Group**

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