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THE AUTHORITY ON FLUID POWER TECHNOLOGY

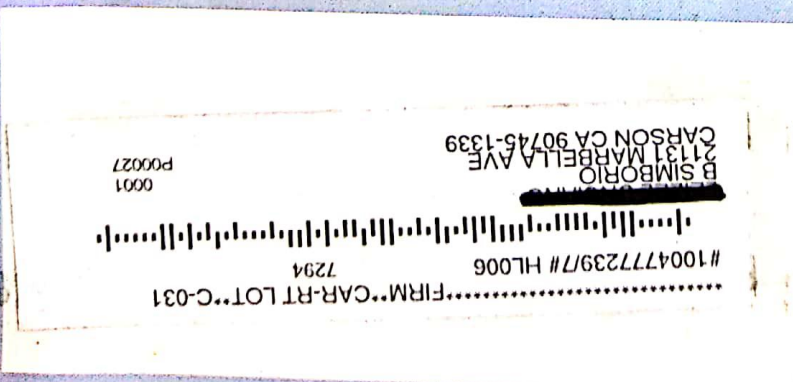
DECEMBER 2017 hydraulicspneumatics.com

2018-2019

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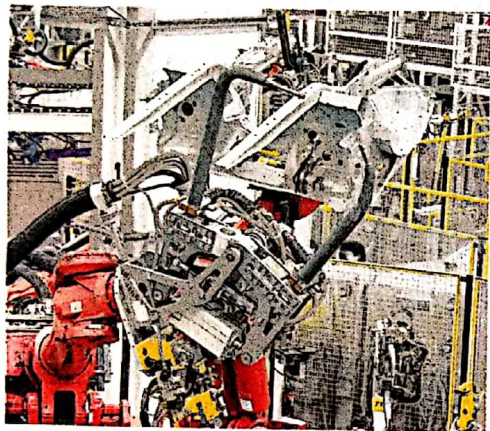


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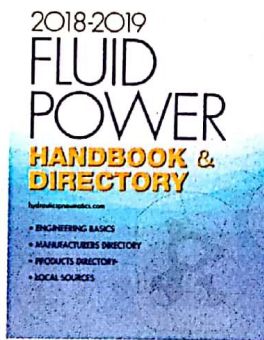
18 PWM: The Unconventional Way to Regulate Pressure
Pulse-width modulation is familiar to those in the electronic control field, but hydraulics engineers probably don't realize that this technology can be applied to achieve variable output from a fixed-displacement hydraulic pump.

22 Advanced Electropneumatic Positioning Achieves Dynamic Force Control
Today's electropneumatic positioning systems break from convention by offering efficient and reliable position and force control.

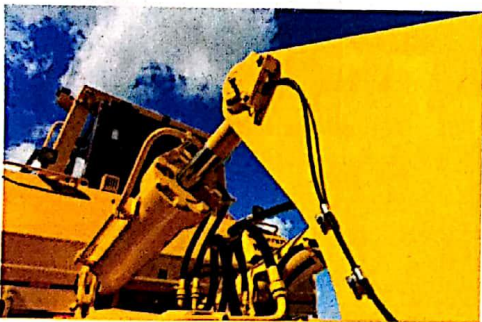
26 The Powerful Impact of Preventive Maintenance
The best way to avoid the substantial expenses and headaches associated with unscheduled maintenance is to take measures to prevent them.

32 Hose Replacement: Do It Right the First Time
Hydraulic hoses are tricky, but here are some tips if no fluid-transfer pro is available in your area.

39 Fluid Power Handbook & Directory
This biennial publication contains hundreds of listings of fluid-power components, manufacturers, distributors, and service providers, plus fluid-power educational material selected from the *Hydraulics & Pneumatics* archives.



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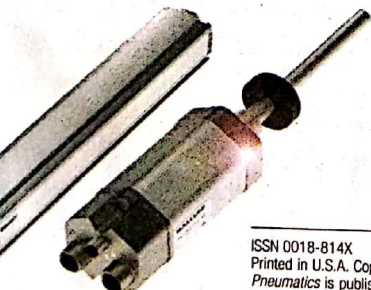
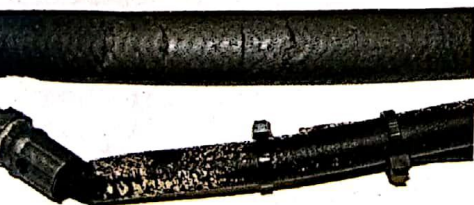
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