

# Automotive Application



**WINSONDA OIL FILTRATION SOLUTIONS**

No.299,Yuyang Road,Kunshan City, 215300,China

Tel:0086-512-36835188 Fax:0086-512-36835185

Site: [winsonda.com](http://winsonda.com) Mail: [sales@winsonda.com](mailto:sales@winsonda.com)

## CUSTOMER

NJDW, An auto parts company specializing in the production of stamping parts.

## Units Basic Info

- Units: Stamping machines
- Reservoir: 12000L
- Oil type: Hydraulic oil
- Oil years: 3 Years

## PROBLEM

The oil sample has been taken for analysis and report indicated the cleanliness reach Grade 11 based on NAS1638 standard. As soft contaminants deposit already formed in aging hydraulic system, customer faced the problems of sticky/plugged EHC valve (4 failures a week) which affected the output of production line.

## SOLUTION

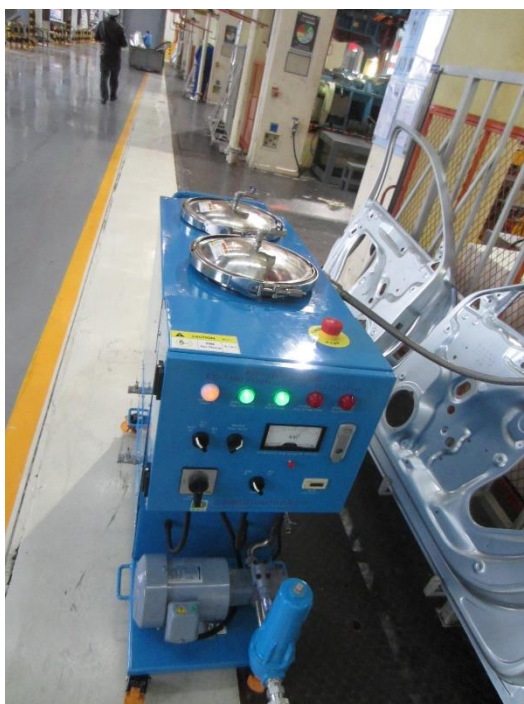
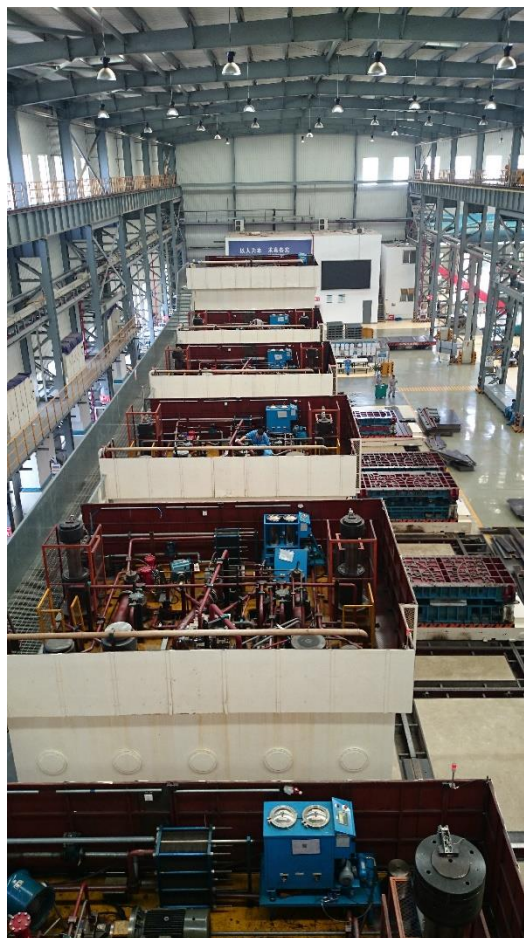
WJD-100(electrostatic adsorption unit) has been introduced and installed to reservoir for a continuous filtration in July, 2012.

Flow rate: 1080L/hours.

## RESULT

After filtration, an oil analysis has been performed indicating Grade 6 (NAS1638) and hydraulic control valve worked smoothly. Customer recognized the filtration result and promoted the application of WJD for another 9 stamping machines.

*No deposits at the bottom of the reservoir*



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