


# Sample Case : TOSHIBA Factory (Injection Molding Machine)

	<p>Miracle Boy was installed to the injection molding machine at TOSHIBA.</p>
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	<p>Miracle Boy is installed (installation is simple &amp; easy)</p>
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	<p>Existed oil filters were not much effective</p>
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<p>Current Situation</p>	<p>Equipment</p>	<p>TOSHIBA 450~1600t Injection Molding Machine</p>
	<p>OIL</p>	<p>General hydraulic oil</p>
	<p>Existed Filter System</p>	<p>TOSHIAB genuine off-line filter &amp; bypass filter</p>

<p>Issue</p>	<p>Client had not been able to reduce defection rate on hydraulic parts even they perform periodical maintenance on oil components</p>
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<p>Counter Measure</p>	<p>Installing MB to the hydraulic oil tank of the injection molding machine</p>
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<p>Result</p>	<p>After installation, acid level stays 0.1~0.2mgKHO/g &amp; no viscosity change measured.          Conductivity is also maintained 1.0mg/100ml which is same level as brand-new oil.</p>
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<p>Voice of Customer</p>	<p>Since the installation in 2007, hydraulic oil supplier has not even recommended us to change oil as it is well maintained clean.  <u>Compared to the past, we have reduced about 200,000 liter of oil in 10 years</u> using for 7 units of injection molding machines. ( Total CO2 reduction since the installation is estimated 500t.)</p> <p><b>&lt;REDUCED ANNUAL COST OF EXCHANGING OIL&gt;</b>          1600t Injection Molding Machine 4,000L = <b>US\$ 19,000/YEAR</b></p> <p>It's been no hydraulic related problems such as expensive electric valves and hydraulic pumps.</p>
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