

## Background Information

<b>Client :</b>	A global automotive engine manufacturer
<b>Location:</b>	USA
<b>Problem:</b>	High coolant consumption Cross contamination Compromised tool life Increased System Dumps Frequent maintenance efforts (skim, centrifuge) due to tramp oil

## Our Approach and Solution

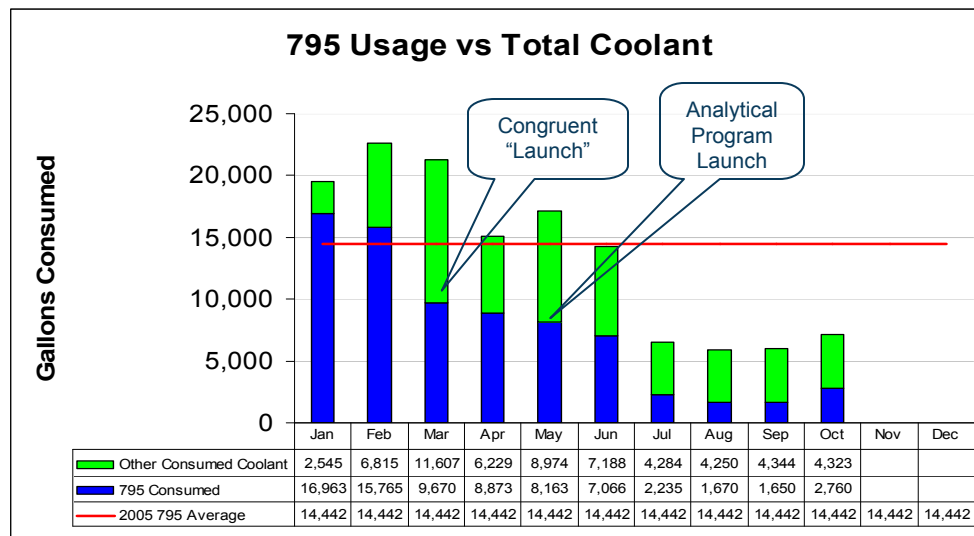
- Our fluid experts surveyed the entire plant layout
- Studied each metal cutting process
- Formulated unique hydraulic chemistry compatible with coolant
- Developed FTIR control program and additional support chemistry to fortify in use coolant
- Worked with (and are continuing to work with) Hydraulic pump OEM's for certification for launch use

### The following actions were taken:

- Trial launch of the lubricants in non-leaking hydraulic skids to verify product integrity
- A scheduled launch of the product in leaking skids
- FTIR control program launch
- Formulation of additional support additives to replenish any missing coolant formula components

**Impact**

- Annual coolant consumption reduced by 85% (~14,500 gals to ~2,200 gals per month)
- Improved tool life through replenishment of missing coolant components
- Reduced Health and Safety issues through a common chemical platform
- Virtual elimination of coolant system dumps,
- Large reduction (25%) in Waste Water volumes



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For more details on how FLUIDCARE can impact your bottom line contact us  
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