



Case Study

Army Oil Analysis Program Oil Samples Save Time and Money



Client:
U.S. Army
Aviation and Missile
Command

Summary of Core Activities:

- Successful restructuring and centralization of AOAP procedures worldwide
- Recommendations increased testing capabilities, reduced sample turnaround time, aircraft downtime and increasing mission readiness
- Maintaining AOAP labs worldwide

In 2001, the Army Oil Analysis Program (AOAP) Management Office (PMO) called for the AOAP to be restructured, regionalizing AOAP laboratories areas of support, creating a centralized program management network and enhancing the level of testing on aviation oil wetted component samples.

There were many challenges for providing off-site analysis for many aviation customers. For more than 30 years, AOAP laboratories were managed separately by individual installations, resulting in variations in funding and support and a loss of standardized practices.

VT Group was instrumental in the successful restructuring, standardization and centralization of the Army Oil Analysis Program, identifying numerous areas of improvement, initiating corrective actions and bringing all laboratories in line with standardized AOAP procedures.

We developed a customer training plan to establish a direct relationship between the supported unit and the AOAP lab. This, coupled with our recommendation to redesign the AOAP OASIS database to include Web-based customer access to real-time sample results, significantly increased testing capabilities of aviation oil samples and reduced sample turnaround time, reducing aircraft downtime and increasing mission readiness and mission availability. By

increasing laboratory efficiency through cross-level training, we reduced the number of necessary staff and drove down costs.

Not only did VT Group create a centralized management structure, but the team also helped develop a Quarterly Lean Workshop Team (QLWT). The QLWT was made up of members of the AOAP PMO, management and field managers who met regularly to provide analysis, make recommendations and execute operational and database changes.

We also maintain a team of AOAP professionals in Iraq, Kuwait and Afghanistan to manage and operate all Southwest Asia (SWA) AOAP operations. This team's knowledge of and expertise in the AOAP and laboratory equipment maintenance training has provided deployed troops in SWA the highest percentage of mission available aircraft possible and significantly reduced maintenance costs.

The success of the AOAP has led our customer tasking VT Group to assist in special requirement to test, analyze and evaluate new test equipment, and to provide analysis on numerous oil samples in response to crash investigations and research and development projects for the Aviation engineering Division and various aircraft platform commands.

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