



The 4our Evaluation  
Engine Inspection  
Fleet Management  
VITSIT DOCUMENT



Engine services



## **IASG Engine Services**

IASG offers a wide range of engine management services aimed at supporting aircraft, engine leasing companies and airlines.

IASG aims to provide a value added, no-frills service to customers, with the following benefits:

- Customised service.
- Technical expert support.
- Cost savings.
- Trouble-free engine transactions.



## **Workscope and Shop Visit Management**

This is the perfect tool for engine management in the shop. IASG can provide a “turnkey” service: once data is collected, IASG will follow the complete shop visit process; releasing client resources to concentrate on core activity. Significant savings are achieved throughout material management, cooperation with the shop facility and fine tuned workscope. Our team can provide full support to your airline or leasing company in performing the following actions:

- Data collection from operator.
- Workscope definition.
- Workscope review.
- Modifications to be incorporated.
- Attendance & feedback from the Table Inspection.
- Management of the shop visit with regular status reports.
- Analysis of test cell data.
- Review and analysis of post shop visit documentation.
- Invoice review and recommendation.



## Data Collection

More and more leasing companies are realising that aircraft documentation review is not complete without a thorough and aggressive engine document audit.

Aircraft and engines may have a long history and documentation retrieval can involve a very difficult and protracted process.

IASG has extensive knowledge of engine shops and airline internal processes and can collect the data for presentation to our client in an understandable format.

## Engine Inspections

Inspections on the engines may be necessary if you are considering buying an engine, if you are leasing an engine and you wish to verify its status or if the lease of the engine has been terminated.

The inspection consists of documentation check and physical check of the engine. Documents are requested, collected, reviewed and presented to the client.

For pre-purchase inspections, while evaluating the value of the engine, the focus is on the engine modification status, on its condition and back to birth documentation available.

For middle lease inspections, the purpose is to verify that the lessee is maintaining and keeping the engine as requested by the OEM.

IASG retains airline experienced engineers who are well practiced in the extraction of the required data as well as internal procedures to provide all necessary feedback to the client.





## **Engine Documentation Review**

Engines are expensive assets. Their value largely depends upon correct documentation being maintained. Due to the technical nature of the documentation, a thorough and aggressive review of the records by a qualified engineer may uncover serious issues, which can then be rectified in a timely and cost effective manner.

## **Engine Borescope Inspection Survey**

IASG can survey a borescope inspection on site or can provide technical consultancy to review a video borescope inspection. Subsequently, a report may be provided in various written or digital formats.



Engine Borescope Inspect



### **Technical Representation during “Table Inspection”**

Airlines and leasing companies have become more focused on their core businesses. They do not retain internally the knowledge to define workscope or to revise a scope of work. IASG can revise and prepare the workscope in addition to attending the dirty part table inspection, thus providing tangible and cost saving feedback to clients.

### **Engine Shop Visit Documentation Review**

If your airline or leasing company has already performed a shop visit and needs to have the invoice checked and / or the documentation reviewed, IASG has the technical skills to support your needs. This service includes, but is not limited to:

- Post shop visit documentation review.
- Follow up actions with the shop facility.
- Invoice check against contracted items.
- Warranty review and follow up.
- Scrap review and follow up for all scrapped material.
- Recommendations for next shop visit.





## Start-up

If your company has recently taken delivery of a new aircraft type and you want to understand if you are paying the correct maintenance reserves, or if you wish to do your own cash flow forecast, this is the tool you are looking for. We will collect the necessary information during an on site visit and deliver to you the following: -

- Removal plan
- Shop visit cost estimate for each event
- Cash flow forecast
- Engine cost per hour
- Material and engine planning

## Engine Power by the Hour Evaluations

Starting from a technical review of the fleet, preparing a removal plan with a single event cost estimate. IASG can analyse the fleet needs and evaluate or prepare the cost of the engine fleet in terms of hours flown.





## Fleet Management

The aim of this package is to provide airlines or leasing companies with a tool to outsource completely the engine fleet management.

- Aircraft leasing contract requirements
- Shop visit planning
- Engine shop contract
- Engine on wing issues
- Engine standard

All too often the above factors run in conflict: only good planning and management can allow your company to solve all these issues while saving money.

The package includes all other services provided by IASG and allows the airline / leasing company to concentrate on the core business



### Delivered Services:

- Start up analysis and feedback
- Weekly deliveries:
  - o Engine trend
  - o AD & Alert SB analysis
- Long Term deliveries:
  - o Shop visit planning
  - o Shop visit management
  - o Contract revision
  - o Budget figures monitoring
- Maintenance Reserves revision



## Ad-hoc Services

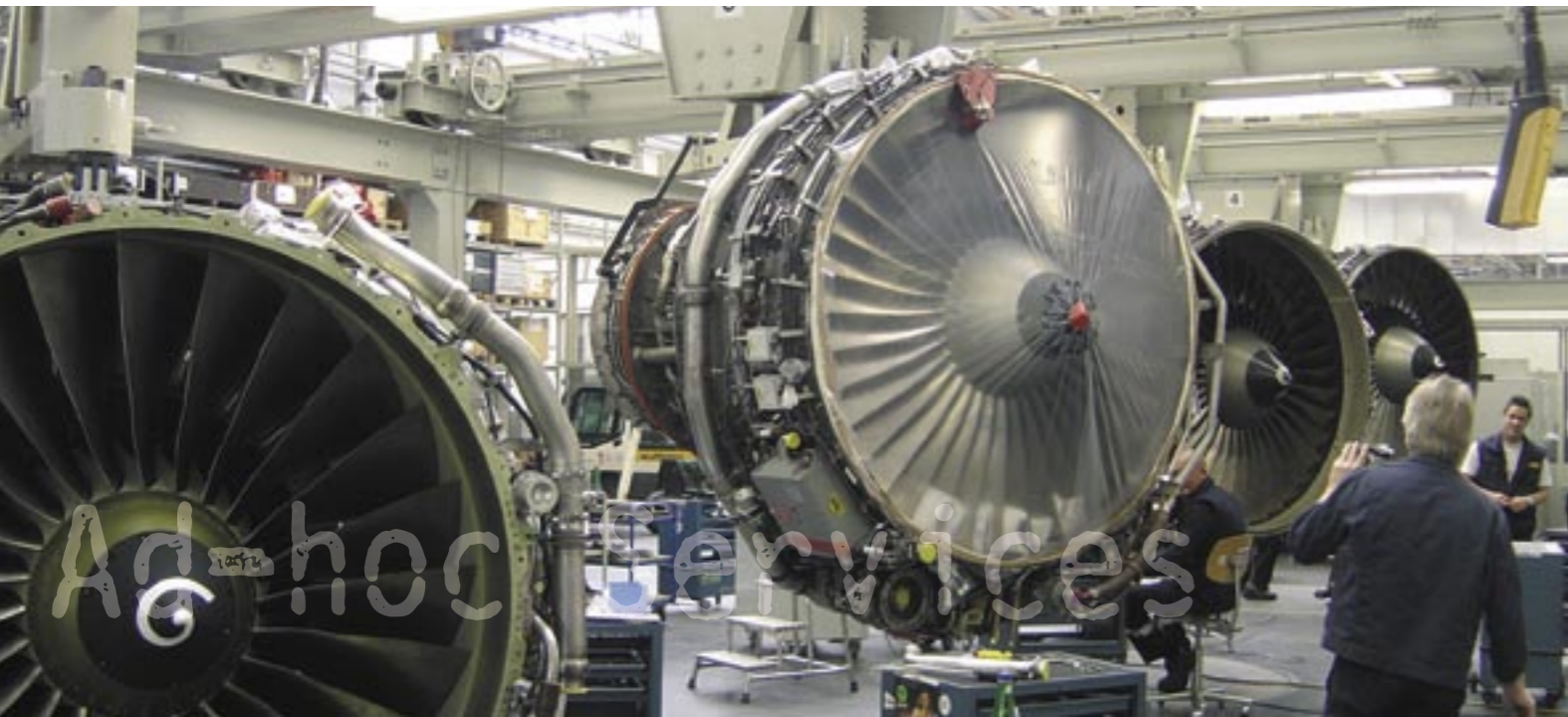
IASG's flexible structure is open to receiving proposals from your company for any ad hoc service you may need.

IASG has focused, trained and qualified staff to provide tailored, dedicated and cost effective flexible solutions to your needs.

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Ad-hoc Services



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