

Engine Logistics and Aircraft Parts require specialised care of freight Forwarders. At SALOG, we offer you best transit times, excellent cargo care, state-of-the art equipment, and a partnership that you can trust. With our know-how in Defence Logistics, we give you a tailored and flexible service that meets your requirements.



Secura Aviation Logistics

Excellence in Every Direction



SALOG ENGINE LOGISTICS — MOVING SOPHISTICATED ENGINES WITH CARE AND EXPERT HANDLING



KEY BENEFITS

- The provision of the best transport method for each engine
- Reliable on-time and incident free delivery
- Quality control processes ensure only qualified carriers are used
- End-to-End service management for reliable lead times and safe arrival of products
- Full customer visibility through SALOG Login
- Reduction in transportation costs due to loading optimisations

The movement of engines is a significant link in the aerospace industry supply chain and as a result is a new and important segment of the “Excellence in Every Direction” lifecycle.

Since the inception of our engine competence centre we have striven to provide specifically trained and dedicated teams for the movement of aero engines, allowing us to guarantee the highest standards of precision and safety. With our experience and logistical scope we can deliver the best individual solution for each engine we handle. Deployed through our global centres of excellence,

Our teams are skilled in the movement and handling of everything from out-of-production engines through to the latest models, ensuring your engine receives the best care and the correct treatment.

We employ rigorous quality control processes in order to ensure that the same high standards of service quality are present throughout our customers’ whole supply chain, and only qualified carriers are allowed to transport their engines.

Our dedicated teams are able to provide customers with full visibility of their engines in transit, building trust that we will deliver on time, every time.

Aircraft Component Transportation and Logistics

Our familiarity with aircraft components such as landing gear, reverse thrusters, wing components, ground support equipment, etc enables SALOG to provide handling and load securement procedures specific to each type of component. The result is complete care of all aircraft parts from pick-up to delivery.

SALOG's just-in-time delivery service ensures that your aircraft parts and components will meet narrow maintenance windows. In addition, we have extensive experience loading and securing in-flight training equipment and will deliver them on time to comply with training schedules.

Aircraft Engine Transportation

SALOG's Knowledge of various engine types and sizes enables us to identify and work with the characteristics of each jet engine shipment. The result is safe and secure transport of the aircraft engine with minimal loading time and maximum attention to detail. Aircraft engine transportation and aircraft component logistics is a specialized task that requires years of experience and knowledge of the critical nature of the cargo.

SALOG has successfully completed over several aircraft engine shipments to all corners of Saudi Arabia . We have developed a proprietary Standard Operating Procedure based on OEM securement guidelines, along with our own requirements developed over the years of aircraft engine transportation experience. SALOG drivers must complete our Aircraft Engine Handling Course which comprises of three modules:

Classroom theory and training

Field training – drivers must complete the jet engine loading and securement procedure under supervision

Final exam – drivers must score 100% on the exam to pass the course

Fitted tarps and protective padding delivers maximum protection against weather and road debris. This end-to-end care, plus our in-depth knowledge of load securement procedures, means your serviceable engines can be put into use immediately after transportation.

There are numerous risks involved with aircraft engine transportation and aircraft component logistics. Aircraft engines are subject to extreme tolerances and regulations. SALOG eliminates the risk of damage by using state-of-the-art protective equipment and load securement knowledge that can only come from decades of experience with high-value shipments.



KEY ENGINE LOGISTICS SERVICES

- 24hour & 7day access to a dedicated team of engine logistics experts
- Global presence through our network of competence centers
- The provision of pictures at every logistical stage

Making your valuable assets our priority

- ❖ SALOG Engine Chain Is the latest supply chain product innovation
- ❖ SALOG Engine Chain is developed specifically for the aerospace industry
- ❖ SALOG Engine chain is built on strict regulated processes and certified staff
- ❖ SALOG Engine Chain provides shipment monitoring and proactive intervention
- ❖ SALOG Engine Chain is for all engine shipments, storage and return shipments
- ❖ SALOG Engine Chain Community for Vendors, OEM's, Airlines & MRO's



SECURA ENGINE CHAIN FOUNDATION

- Global Airworthiness & IATA Regulations
- Dedicated Engine Competence Centres (ECC)
 - Standard Operation Procedure
- Carrier Assessment & Qualification
 - 24x 7 / 365 Support
 - End to End Global Visibility
- Engine Logistics Certified Staff

SALOG Engine Handling Expertise ranges out from Production Aircraft Engines which includes Airbus 380 and Boeing 787 Engines



Engine Movement of CMF 56 Ex RUH/FRA



SALOG Engine Handling Expertise



Engine Movement of JTD-9 Ex RUH/YYZ



SALOG Engine Chain – SOP's/ Working Instructions

Global Standard SOP's/Working Instructions

- ✓ Engines Specific for Every Engine Type
- ✓ Lane Based Handling Instructions for Each Product
- ✓ QSHE Approved
- ✓ Version Control With Online Storages for 24x7/365 Access
- ✓ Global Exception Management & Escalation Procedures
- ✓ Signed Off by All Stake Holders
- ✓ Segmented for Efficient Information Viewing

SALOG Engine Logistics Hub

Secura Aerospace Riyadh has invested in an special prepared aircraft engine dolly, with rubber suspension, for the transport of aircraft engines on airside and GE series(non fork lift able engines)

This Engine Dolly is supporting a DIRECT offloading of Engine from Aircraft & Truck on to Dolly (or Vice Versa) for direct delivery to either outbound flights or Airside Warehouse facility or from Inbound flight to further connections or (Airside Warehouse)

Advantages

- Reduction on waiting times and fees
- No special procedures needed to get Truck/Driver to airside
- No truck planning on flight schedule
- Less risk on potential damages to either Aircraft and/or Engine
- Increase of cargo flight networks by connecting all freighter operators

Operator Handling Instructions

- ✓ Export
- ✓ Import
- ✓ Brokerage
- ✓ Re-export/Trans-shipment
- ✓ Packaging
- ✓ Asset Management
- ✓ Sub-Contractors

20FT Engine Trailer

Type	ET-01
Load Capacity	13800 KG
Deck	Spring-loaded platform
Frequency	10000 KG 7.9 Herz / 13000 KG 7.1 Herz
Weight	5000 KG
Maximum width	3480 MM
Maximum length	8160 MM
Maximum towing speed	5 KM/H Loaded & 15 KM/H Unloaded
Rollers	89 MM Dia. Rollers with sealed ball beari
Material	Painted Steel
ULD EGINE	PAG, PGA, PRA TRENT: 1000, 900, 800, 700, 500
Steering type	Akkerman steering
Path	3x 330mm bulb plate
Wheel type (diameter)	508*230
Quantity of wheels	4
Quantity of locks	16





T700 Engine transferred to Dock



T700 Engine in our Warehouse

SALOG Riyadh Engine Storage Facility

- Up to 12 Tonne Forklift Facility
- Dedicated Facility with roller bed storage system and floor space
- Storage for all types of Aircraft Engine Types Including Trent-700-800-900-1000
- Special prepared dolly to move the Trent 700-800-900-1000
- Full security(camera's sprinkler system)
- Expert handling of all engine types
- Bonded facility with 24/7 customs clearance
- Direct Air side access
- Strong relationships with airlines ensure the best service and Firav space Location :Secura Engine Warehouse | Sulay Area Riyadh.



T52 Engine in container stored in our Warehouse



T56 Engine in container stored in our Warehouse

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The load-witness must ensure the following digital photos are taken

• Evidence Photo taken?

Yes ☐ No ☐



1. Showing the engine loaded and secured to truck

Yes ☐ No ☐



2. Showing the front of the engine while chained

Yes ☐ No ☐

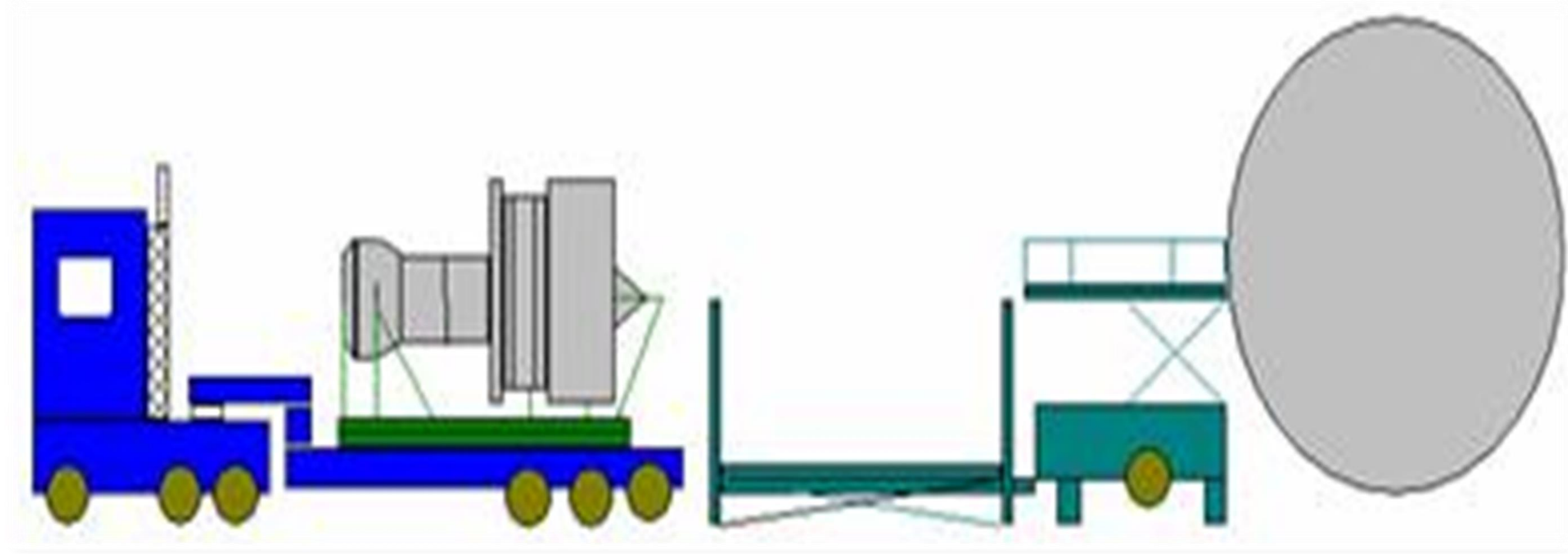


2. Showing the rear of the engine while chained

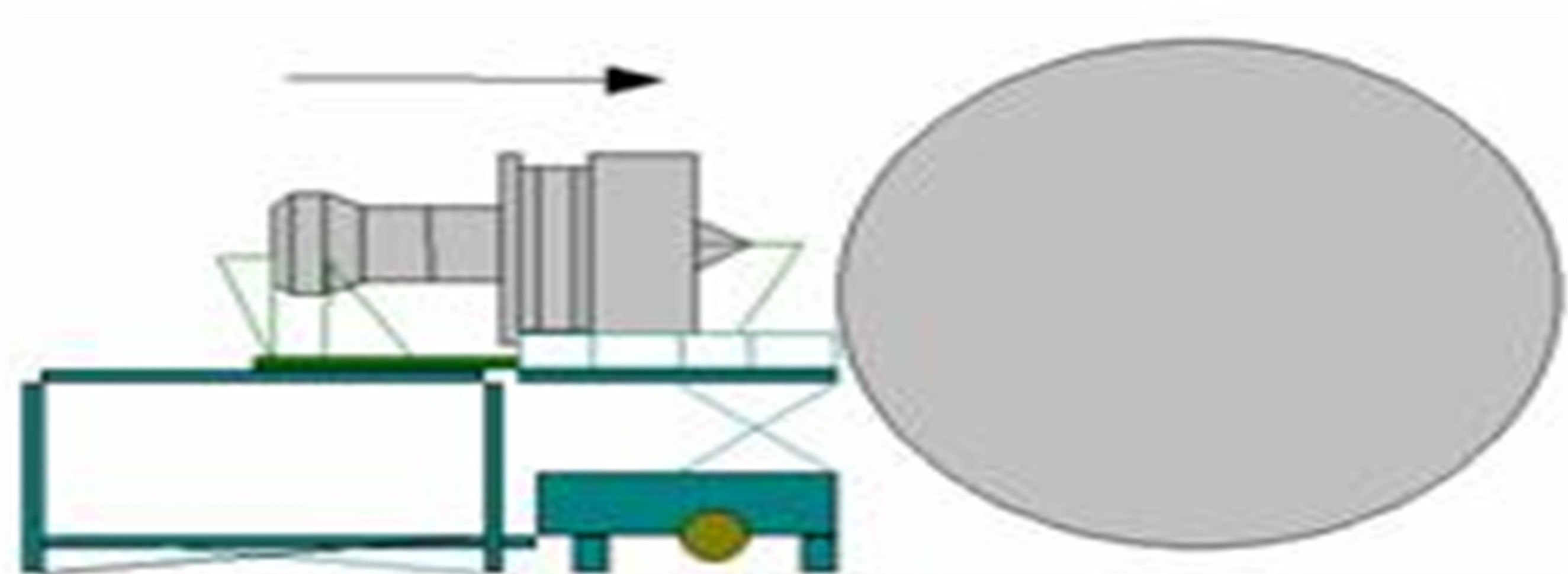
Yes ☐ No ☐

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Touch the sky



4. Transfer of engine onto aircraft
high-loader side-view evidence of engine progress from vehicle to aircraft high-loader is required Yes ☐ No ☐



5. Loading onto aircraft (1)
Highest point of engine passes through aircraft door Yes ☐ No ☐



6. Loading onto aircraft (2)
Engine control unit passes handrail of high-loader (Control unit sticks out of the left side of the engine) Yes ☐ No ☐

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The extension of your aerospace business



7. Engine as it enters the aircraft

Yes ☐ No ☐



8. Engine loaded into aircraft and locked into pallet position

Yes ☐ No ☐

9. Additional Photos in case of a damage: Evidence photos if a damage was noted Yes ☐ No ☐

10. Photos of any markings on the engine bag, which may indicate evidence of possible shipping damage Yes ☐ No ☐

SALOG Engine Logistics

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