

## Fuel System

### Fuel Tanks:

Rsv.2	Tank #1	Tank#2	Center	Tank#3	Tank#4	Rsv.3
4K	13.3K	38.1K	52.2K	38.1K	13.3K	4K

Total Tank Capacity: 163,000 Kg.

### Center Tank Management:

7.7 K or above for use on the ground

3.2K or less during climb “Ctr. Tanks pumps” OFF

1.3K “Fuel Low Ctr.” EICAS turn center pumps OFF

### Fuel Logic:

When either tank #2 or #3 reaches 27.2K the four scavenge pumps will transfer remaining fuel (1.3K) in the center tank to tanks #2 and #3.

When either tank #2 or #3 reaches 18.1 reserve tanks #2 and #3 transfer into their respective tanks.

When all main tanks equal (approx.13.3K) EICAS will alert to reconfigure fuel to a tank to engine configuration.

Imbalance notifications will occur if there is a difference between:

Tank #2 or #3 of 2.7K

Tank #1 or #4 or 1.3K

During a fuel dump situation center and inboard main tanks will dump simultaneously until the center tank reaches 1.3K. When tanks #2 or #3 equal 18.1 the reserve tanks will then transfer into tanks #2 and #3. After tanks #2 and #3 reach 9K, gravity transfer of fuel from tanks #1 and #4 into tanks #2 and #3 will occur. Dumping should stop automatically at fuel to remain quantity, However if the auto-shutdown function fails the quantities in each main tank will never dump below the stand pipe level.

Stand pipe for all main tanks is 3.2K per tank.

Total un-jettisonable fuel is 12.8K