

Talks Tech Ten – 44 Engine Oil

Q1 Which oil filter is associated with the OIL FILTER BYPASS light?

A: Scavenge oil filter

Q2: How is engine fuel heated

A: The main engine and the IDG fuel/oil heat exchangers

Q3: What is the minimum engine oil pressure?

A: 13psi

Q4: What is the minimum oil temperature for start using type 2 oil?

A: -40°C

Q5: This is a bit of a tough engineering one but here goes. Is there an indication if the oil supply filter becomes blocked?

A: Not on the flight deck but there is a pop-out indicator which comes out before the bypass valve opens. You see a red button in the sight glass dome when the pop-out indicator comes out. This tells you there is a clogged condition and to change the filter. This can prevent contamination of the downstream oil circuit.

Q6: Is soft alternate mode on the EEC selectable?

No soft alternate mode is selected automatically by the EEC where as hard alternate can only be selected manually

Q7: Will redline exceedance protection for N1 and N2 be provided in normal and alternate EEC modes?

A: Yes

Q8: What is the maximum speed for lowering the flaps using the alternate system?

A: 230kts

Q9: How many flight spoilers are on each wing?

A: 4

Q10: For landing what does the white bug on the speed tape indicate?

A: Vref + 15 for the -700, Vref +20 for the -800/900