

100-130fsw OC-CC bailout

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$$D_{ata} = 4.94$$

$$P_{O_2} = 1.50 \rightarrow F_{O_2} = \frac{P_{O_2}}{D_{ata}} = \frac{1.50}{4.94} = 0.304$$

$$F_{He} = \frac{P_{O_2} \cdot d_{O_2} + (D_{ata} - P_{O_2}) d_{He} - TAD}{D_{ata} (d_{N_2} - d_{He})}$$

$$= \frac{1.5 \cdot 1.428 + 3.44 \cdot 1.251 - 5.2}{4.94 \cdot 1.072}$$

$$= \frac{1.245}{5.296} = 0.235$$

$\therefore$ OC-CC bailout mix is **TMX 30/24**

note: we did not attempt the standard approach since we know the resultant gas density will be greater than the CC case because of the high O_2 gas fraction