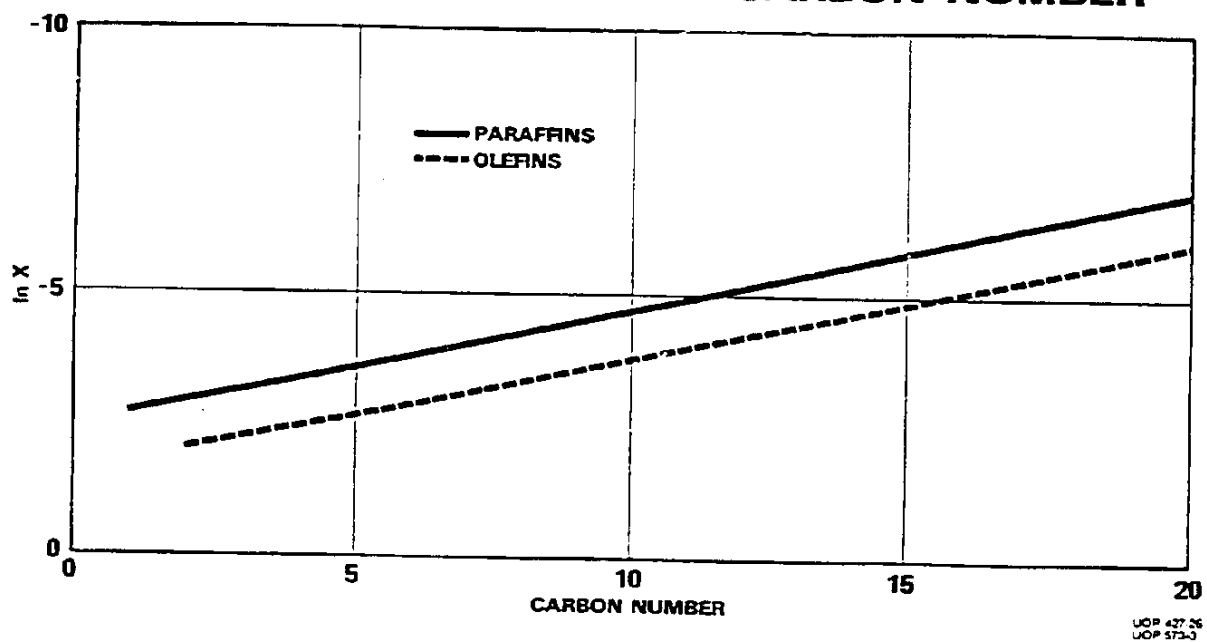


FIGURE 4.3-1
LOG OF MOLE FRACTION vs. CARBON NUMBER



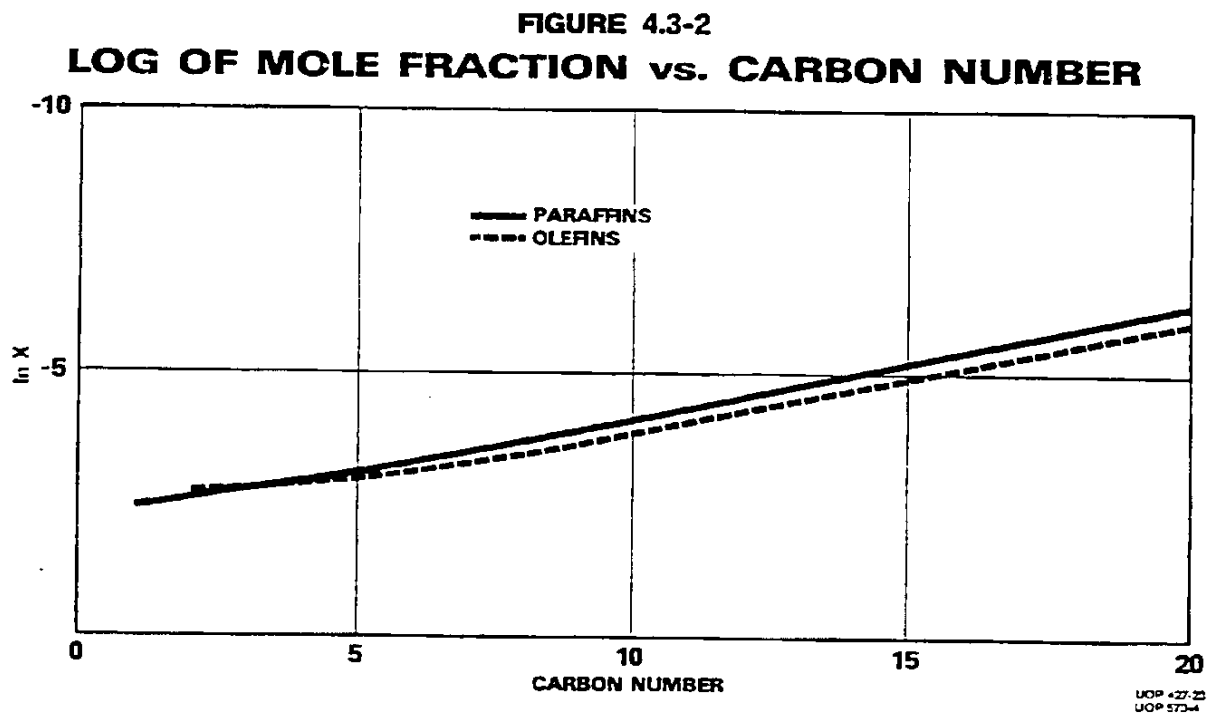
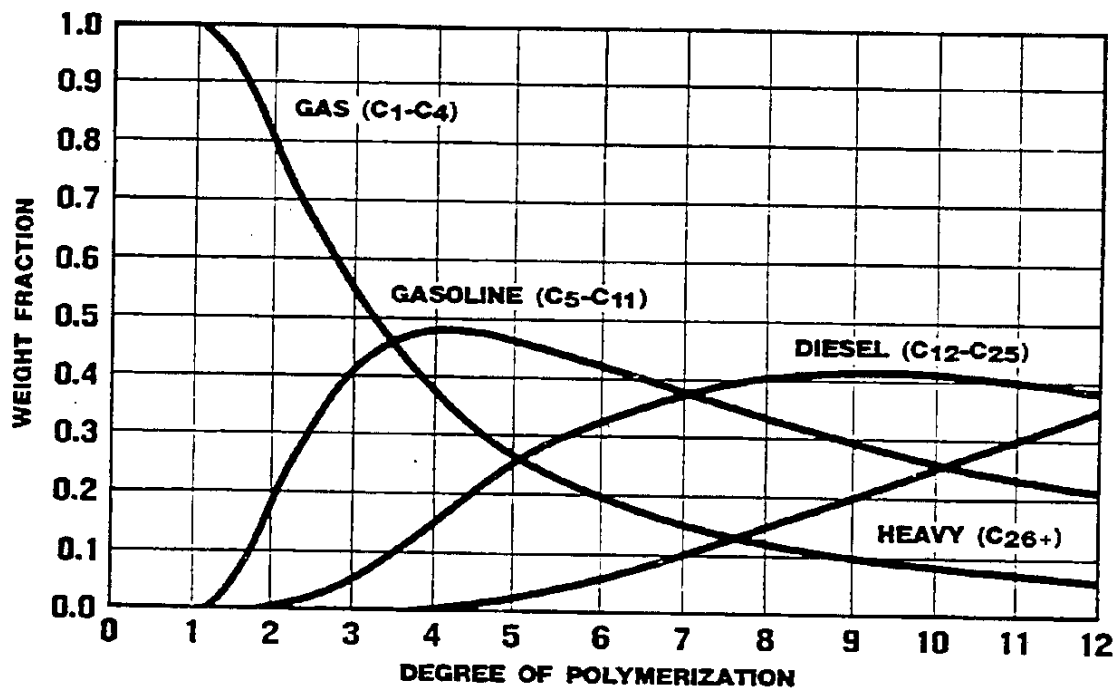
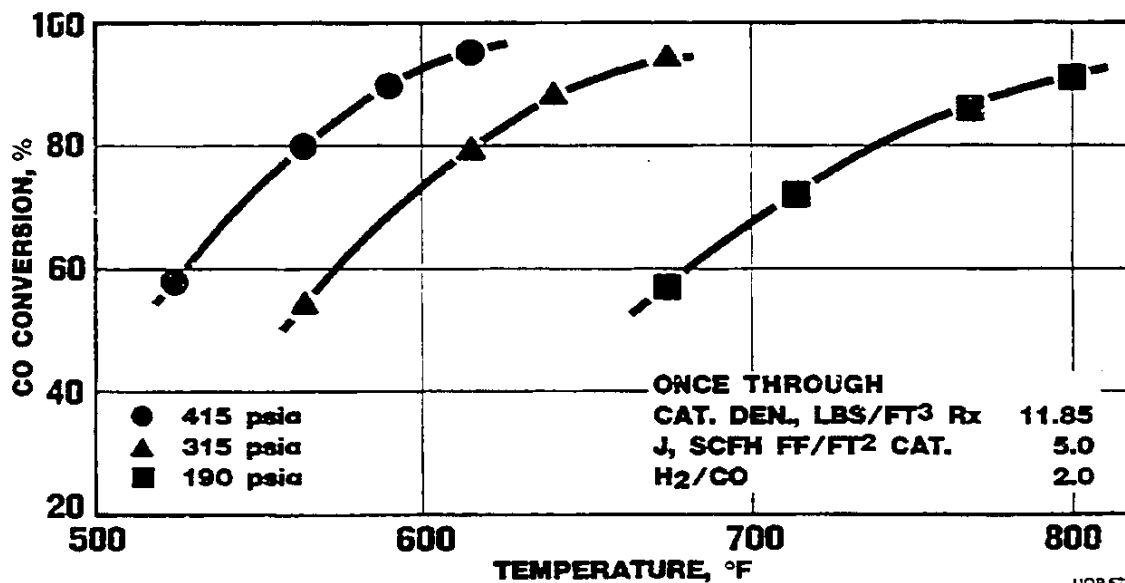


FIGURE 4.3-3
VARIATION OF TYPICAL PRODUCT SPLIT
WITH DEGREE OF POLYMERIZATION



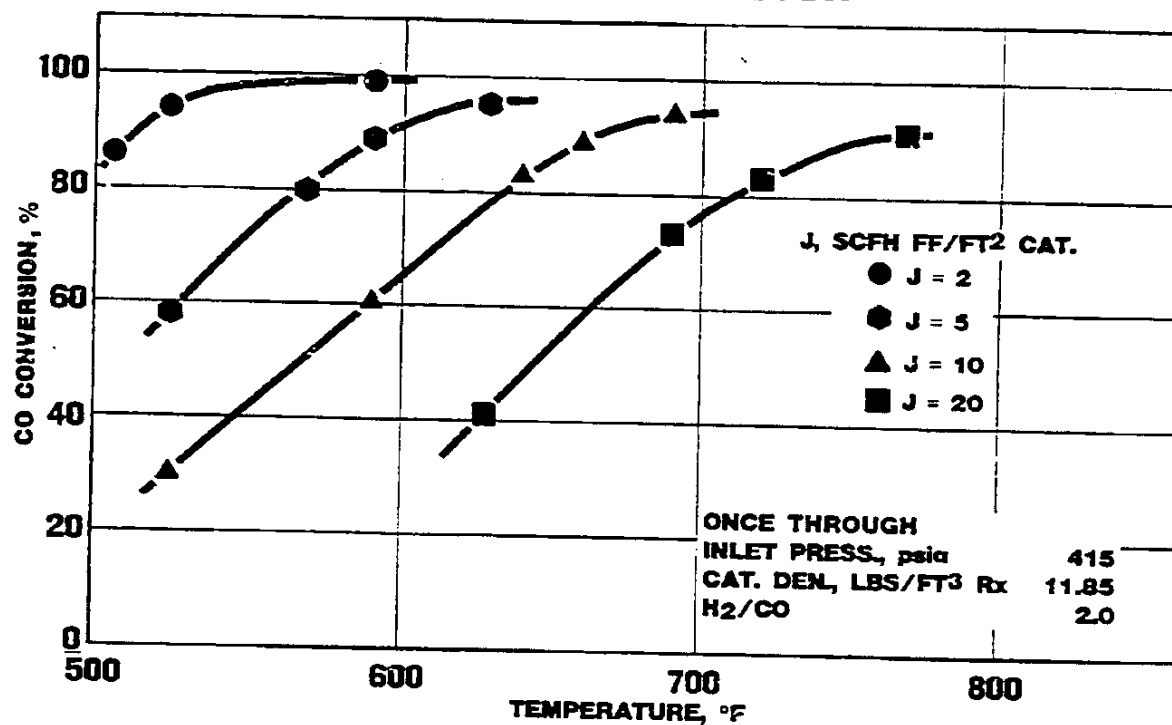
UOP 573-A

FIGURE 4.3-4
FISCHER TROPSCH
TUBE WALL REACTOR
CO CONVERSION vs. TEMPERATURE
VARIABLE PRESSURE



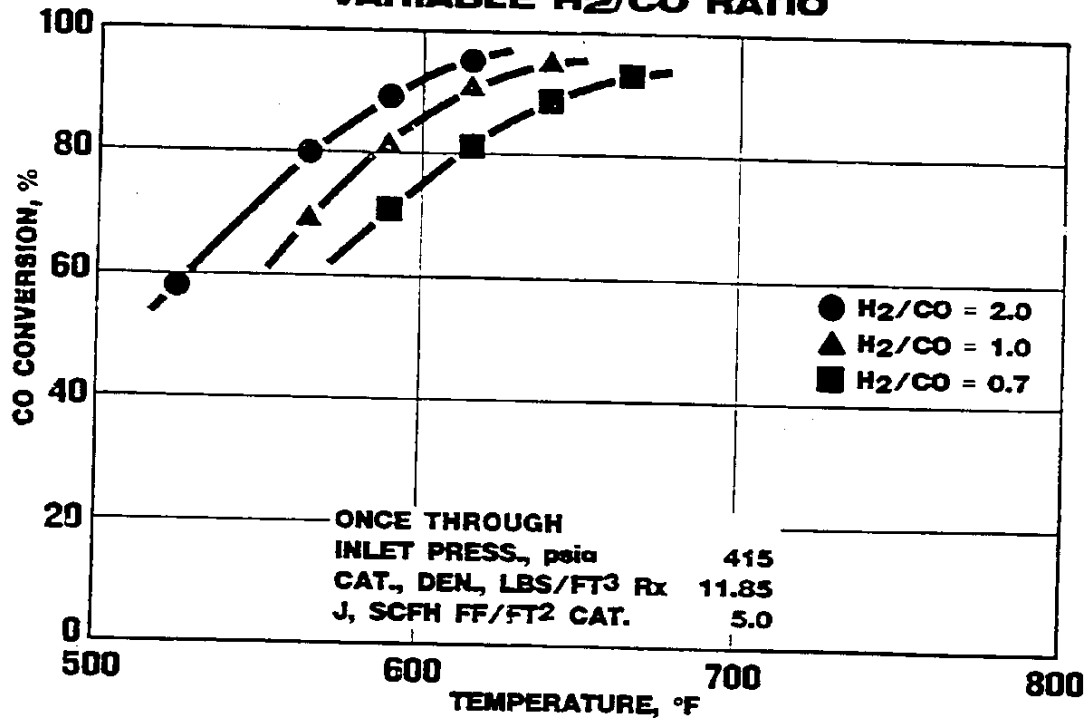
UOP 573-15

FIGURE 4.3-5
FISCHER TROPSCH
TUBE WALL REACTOR
CO CONVERSION vs. TEMPERATURE
VARIABLE J FACTOR



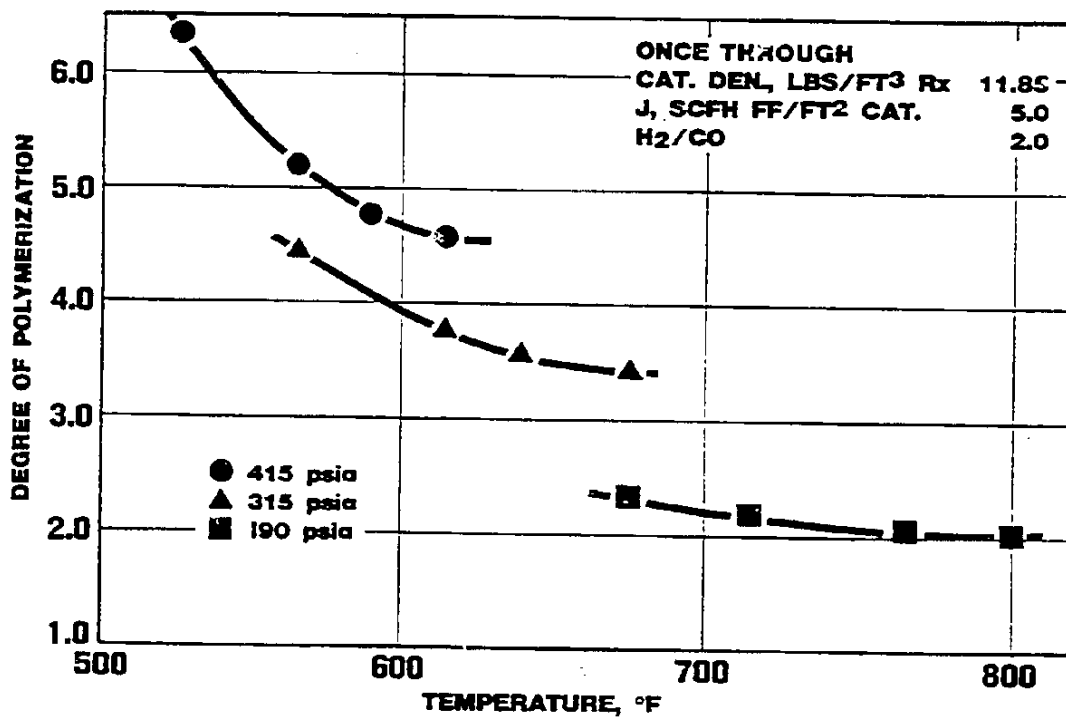
UOP 573-16

FIGURE 4.3-6
FISCHER TROPSCH
TUBE WALL REACTOR
CO CONVERSION vs. TEMPERATURE
VARIABLE H₂/CO RATIO



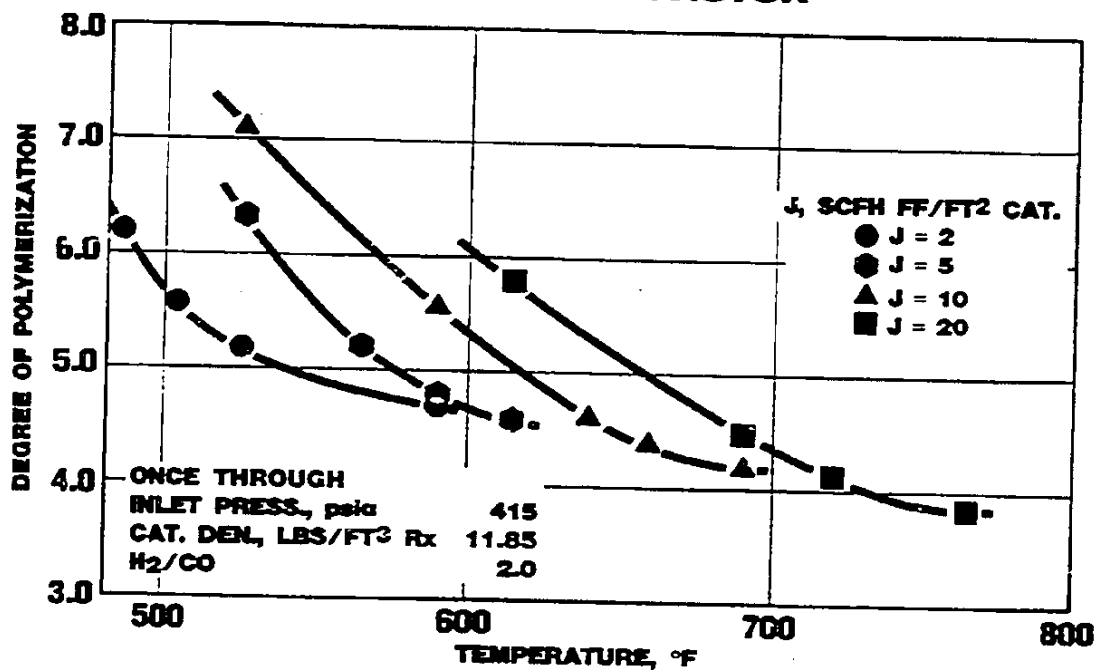
UOP 573-17

FIGURE 4.3-7
FISCHER TROPSCH
TUBE WALL REACTOR
DEGREE OF POLYMERIZATION vs. TEMPERATURE
VARIABLE PRESSURE



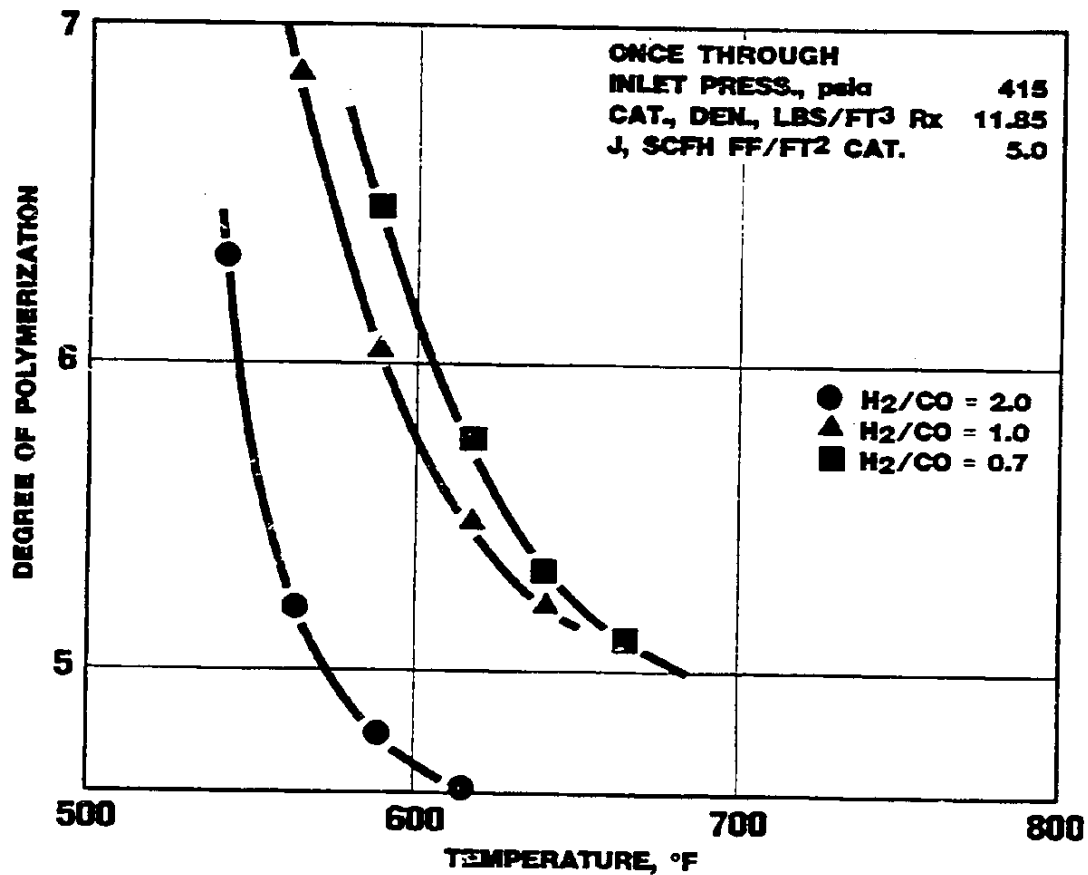
UOP 573-18

FIGURE 4.3-8
FISCHER TROPSCH
TUBE WALL REACTOR
DEGREE OF POLYMERIZATION vs. TEMPERATURE
VARIABLE J FACTOR



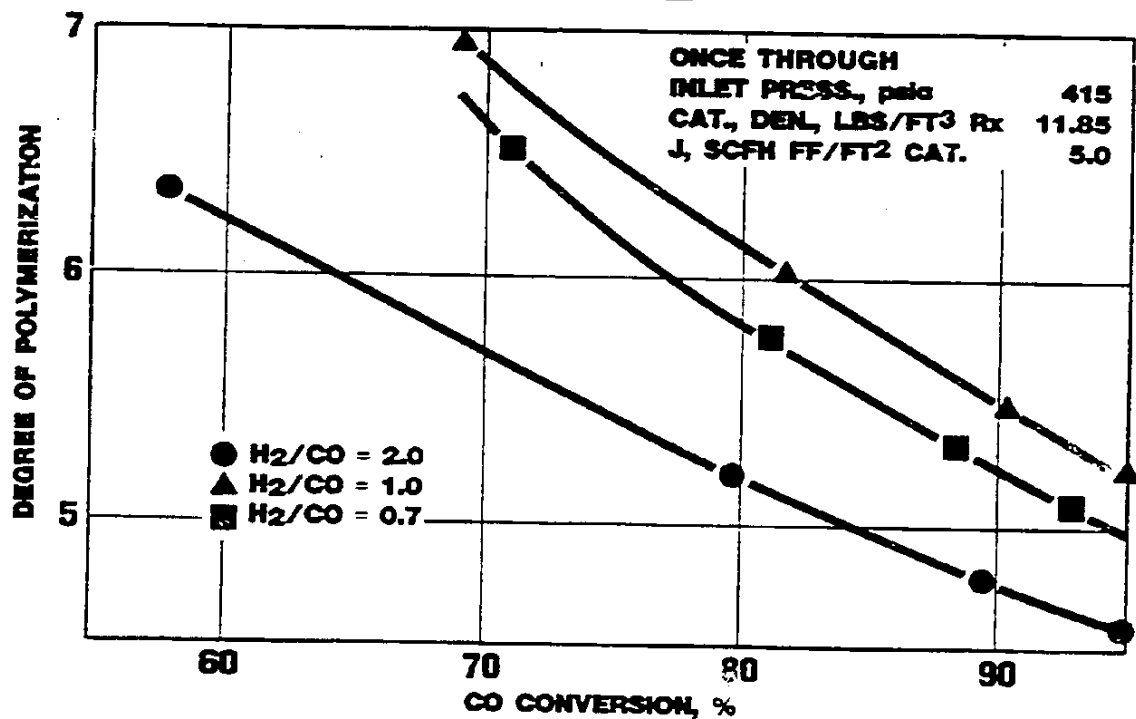
UOP 573-19

FIGURE 4.3-9
FISCHER TROPSCH
TUBE WALL REACTOR
DEGREE OF POLYMERIZATION vs. TEMPERATURE
VARIABLE H₂/CO RATIO



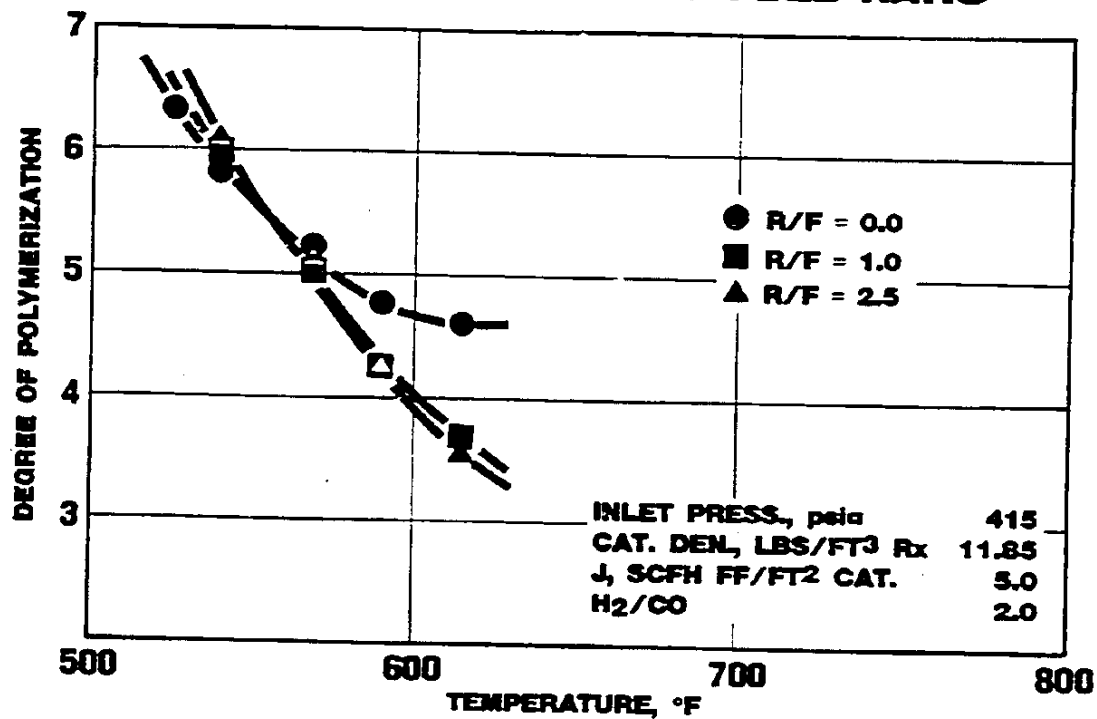
UOP 573-20

FIGURE 4.3-10
FISCHER TROPSCH
TUBE WALL REACTOR
DEGREE OF POLYMERIZATION vs. CO CONVERSION
VARIABLE H_2/CO



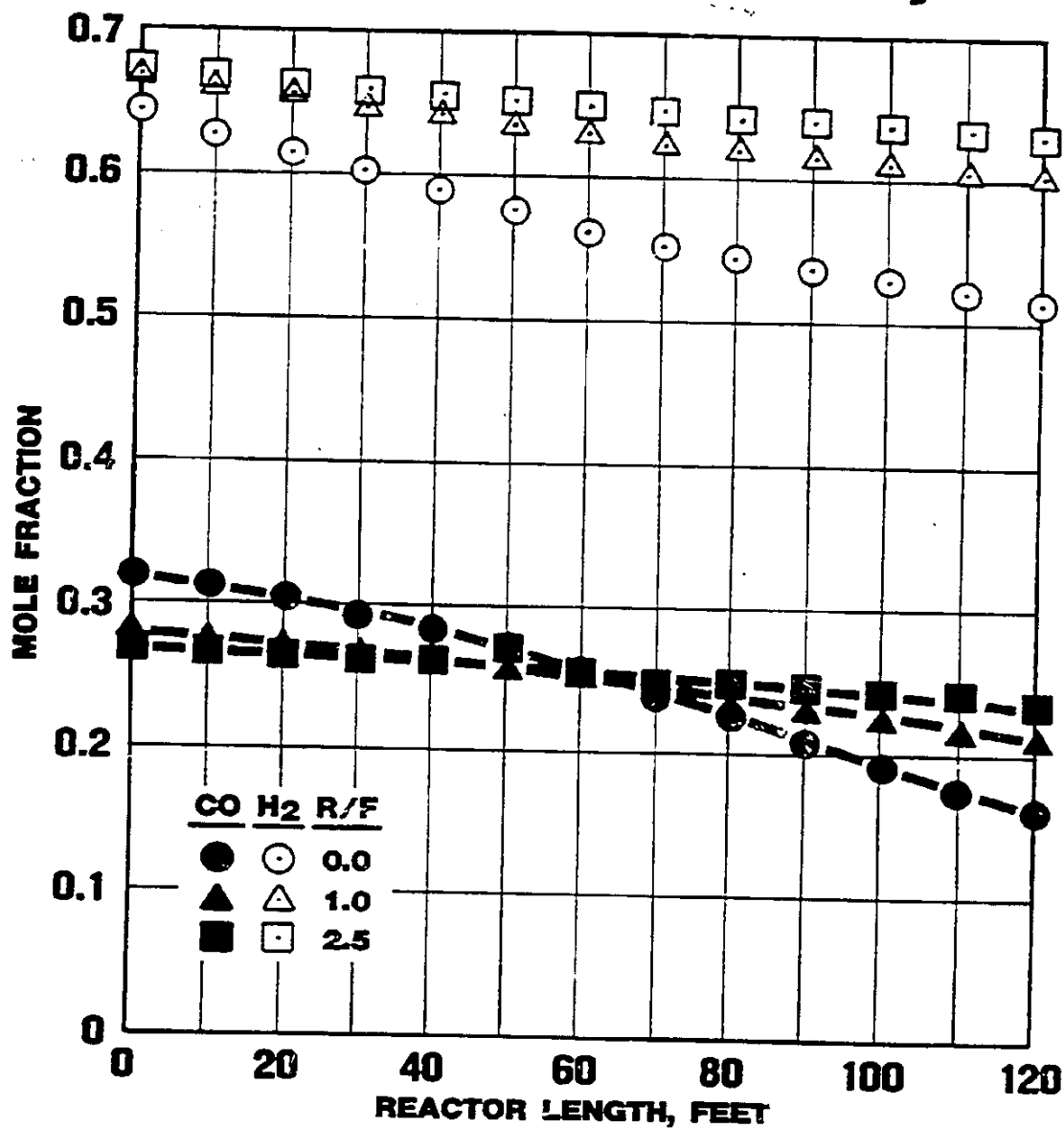
UOP 573-21

FIGURE 4.3-11
FISCHER TROPSCH
TUBE WALL REACTOR
DEGREE OF POLYMERIZATION vs. TEMPERATURE
VARIABLE RECYCLE TO FEED RATIO



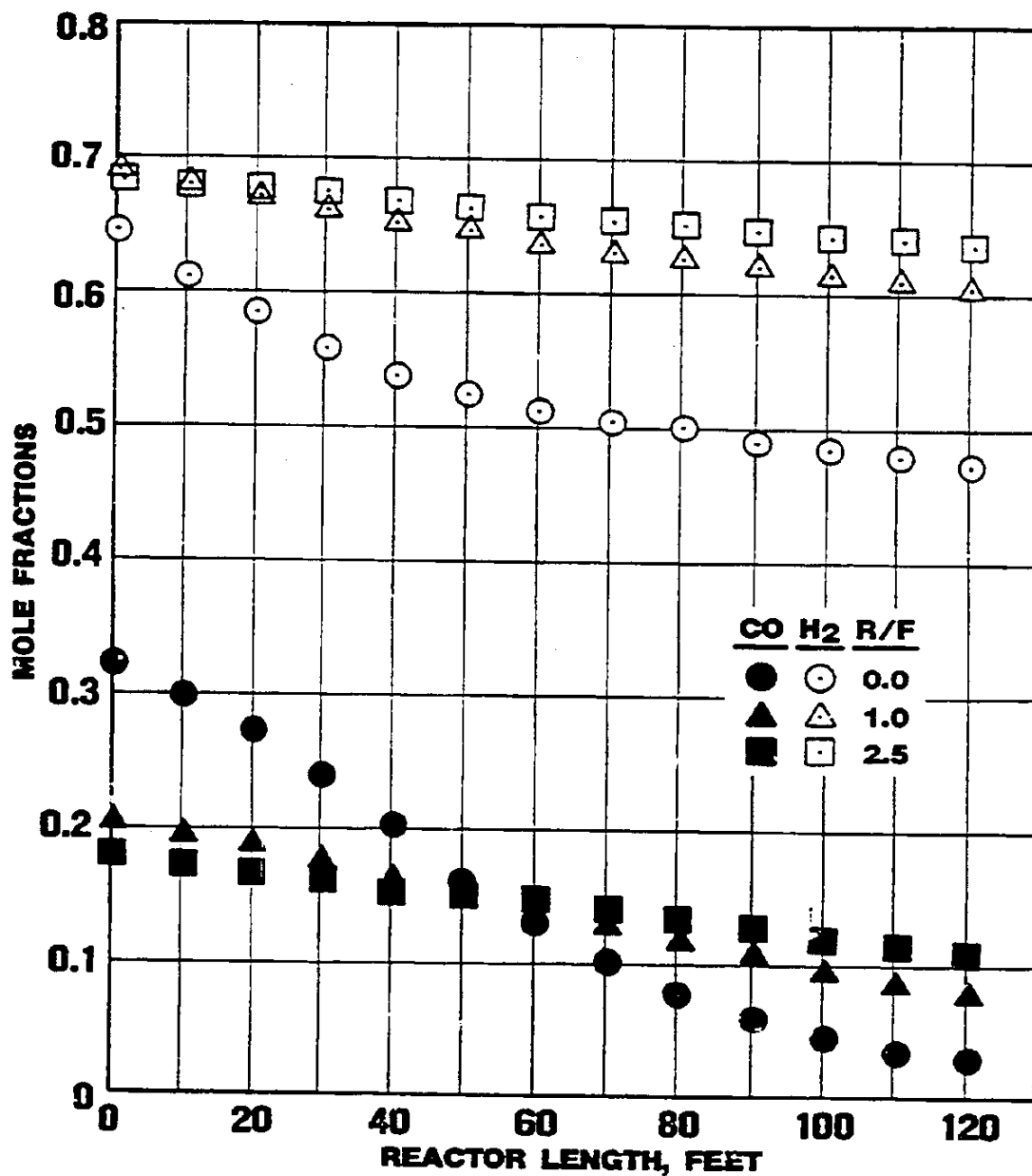
UOP 573-22

FIGURE 4.3-12
FISCHER TROPSCH
TUBE WALL REACTOR
H₂ AND CO MOLE FRACTIONS vs.
REACTOR LENGTH (T = 539°F)



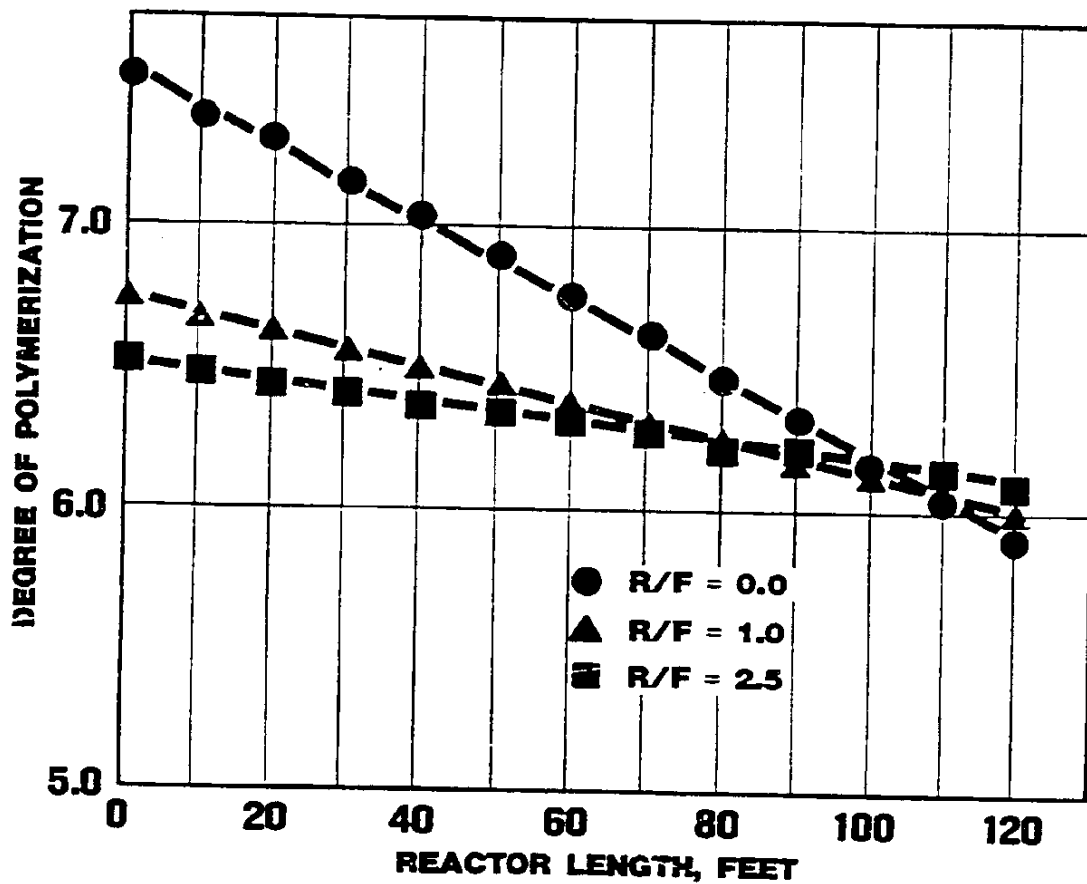
UOP 573-23

FIGURE 4.3-13
FISCHER TROPSCH
TUBE WALL REACTOR
H₂ AND CO MOLE FRACTIONS vs.
REACTOR LENGTH (T = 615°F)



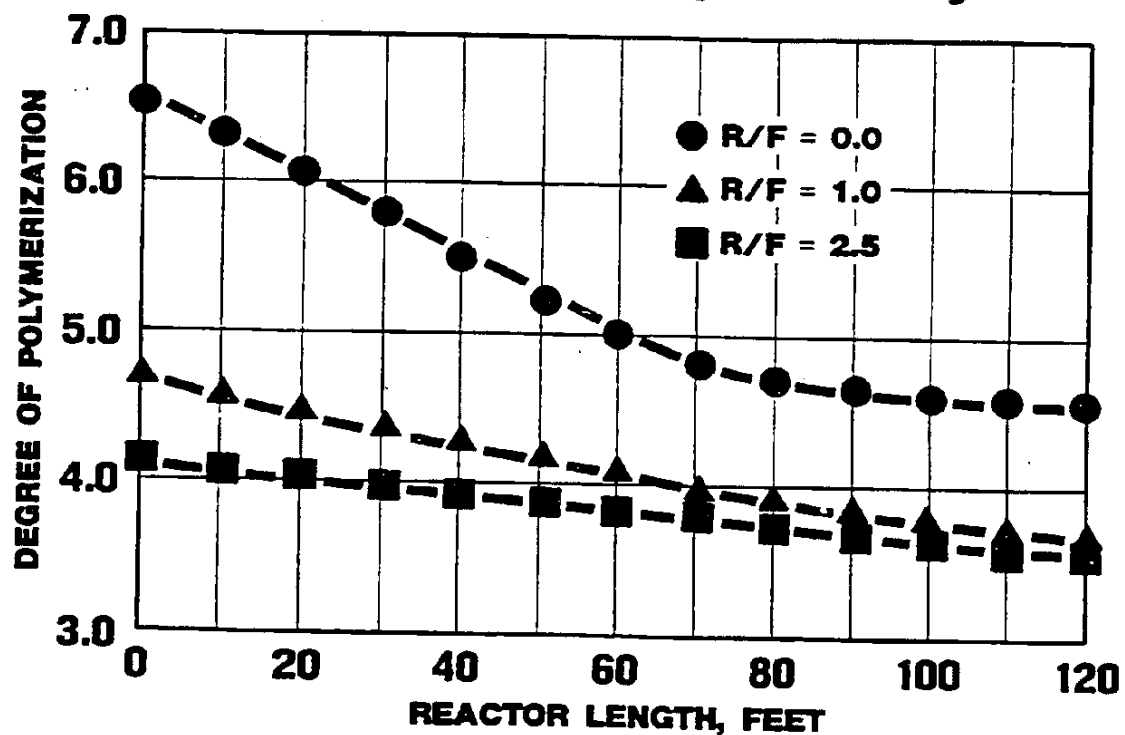
UOP 573-47

FIGURE 4.3-14
FISCHER TROPSCH
TUBE WALL REACTOR
DEGREE OF POLYMERIZATION vs.
REACTOR LENGTH (T = 539°F)



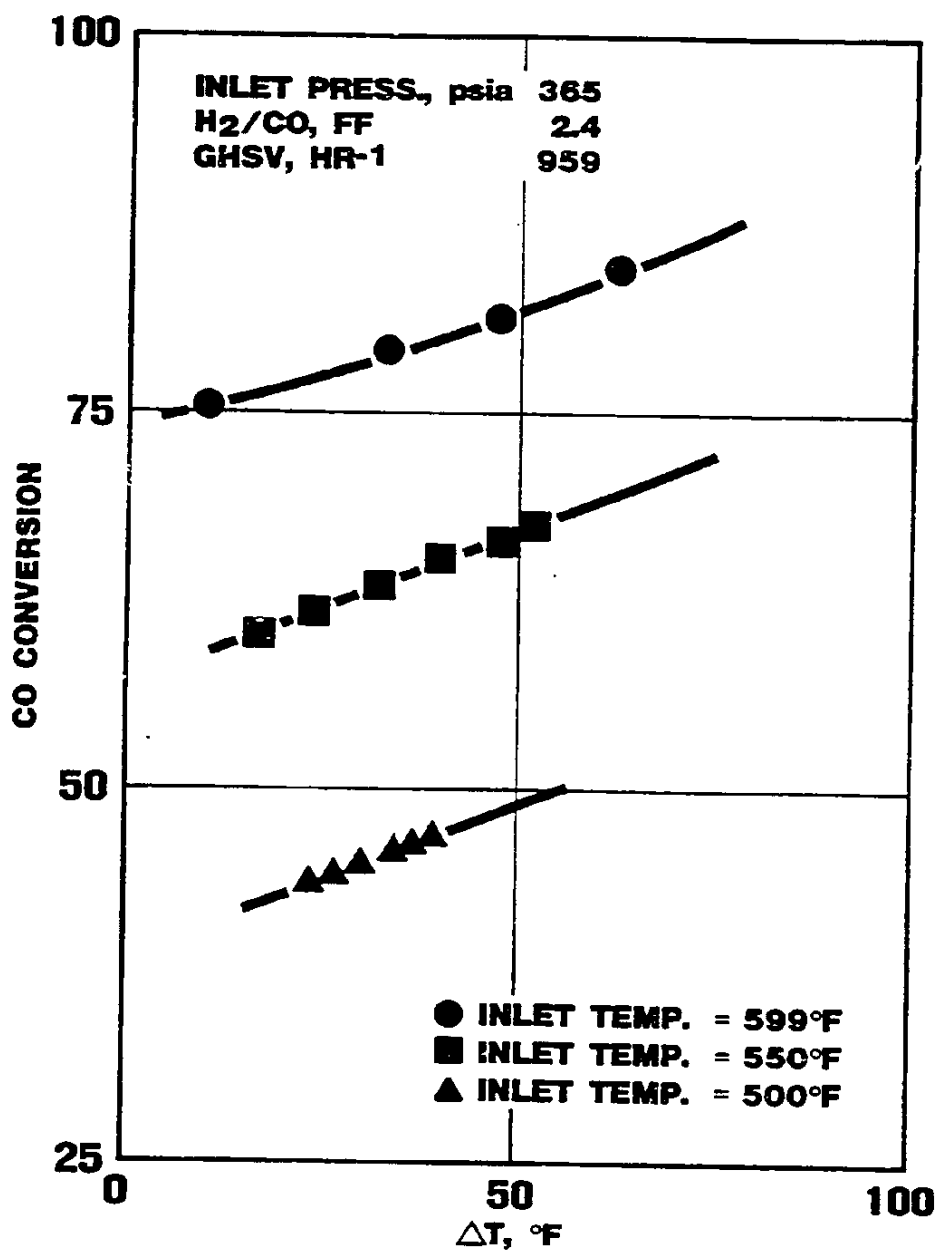
UOP 573-24

FIGURE 4.3-15
FISCHER TROPSCH
TUBE WALL REACTOR
DEGREE OF POLYMERIZATION vs.
REACTOR LENGTH (T = 615°F)



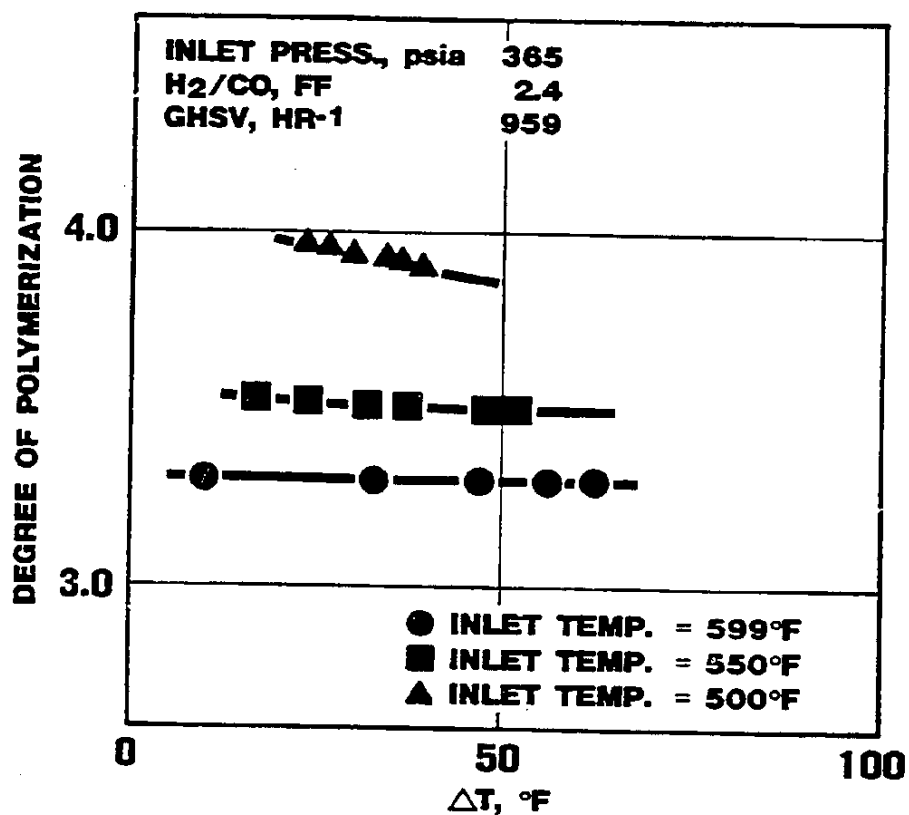
UOP 573-25

FIGURE 4.3-16
FISCHER-TROPSCH
ENTRAINED BED REACTOR
CO CONVERSION vs. REACTOR ΔT



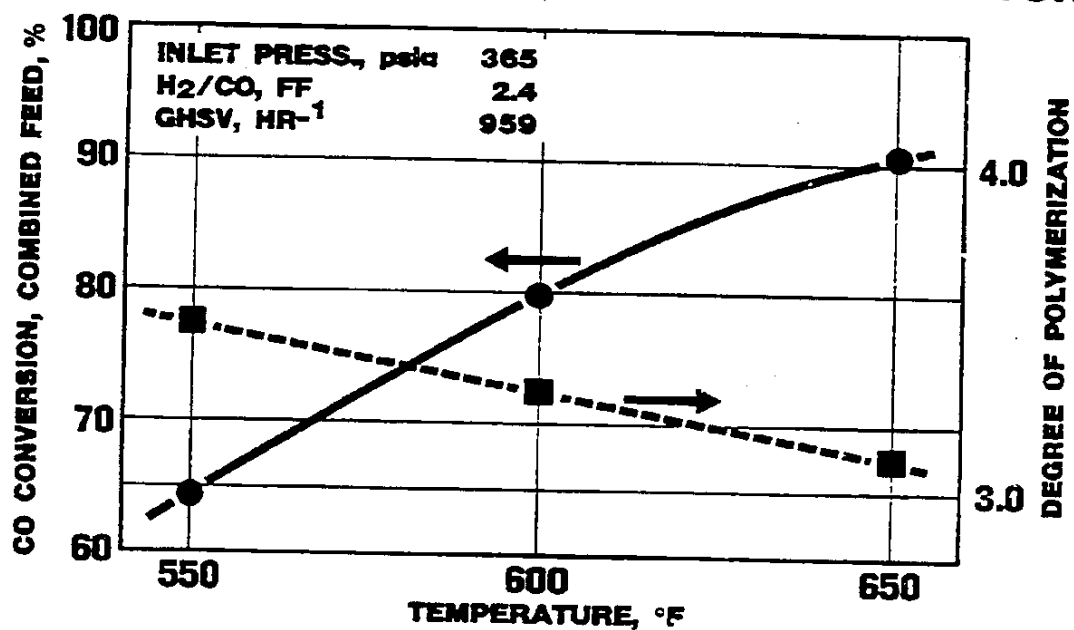
UOP 573-6

FIGURE 4.3-17
FISCHER-TROPSCH
ENTRAINED BED REACTOR
DEGREE OF POLYMERIZATION vs. REACTOR ΔT



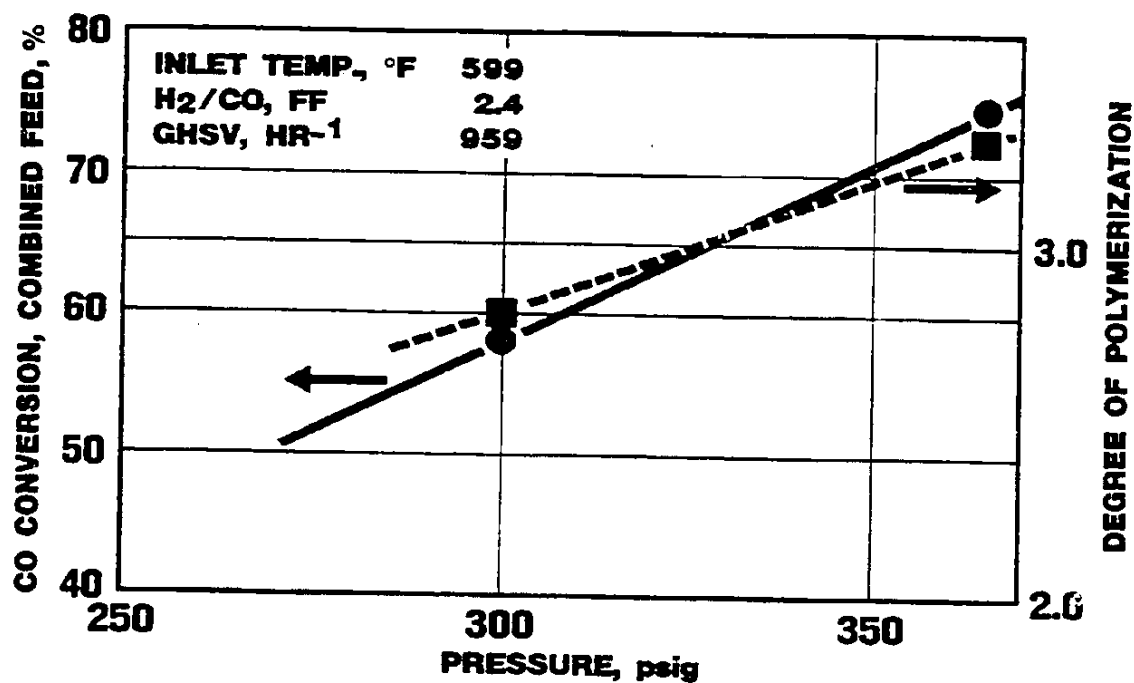
UOP 573-7

FIGURE 4.3-18
FISCHER TROPSCH
ENTRAINED BED REACTOR
CO CONVERSION vs. TEMPERATURE
DEGREE OF POLYMERIZATION vs. TEMPERATURE



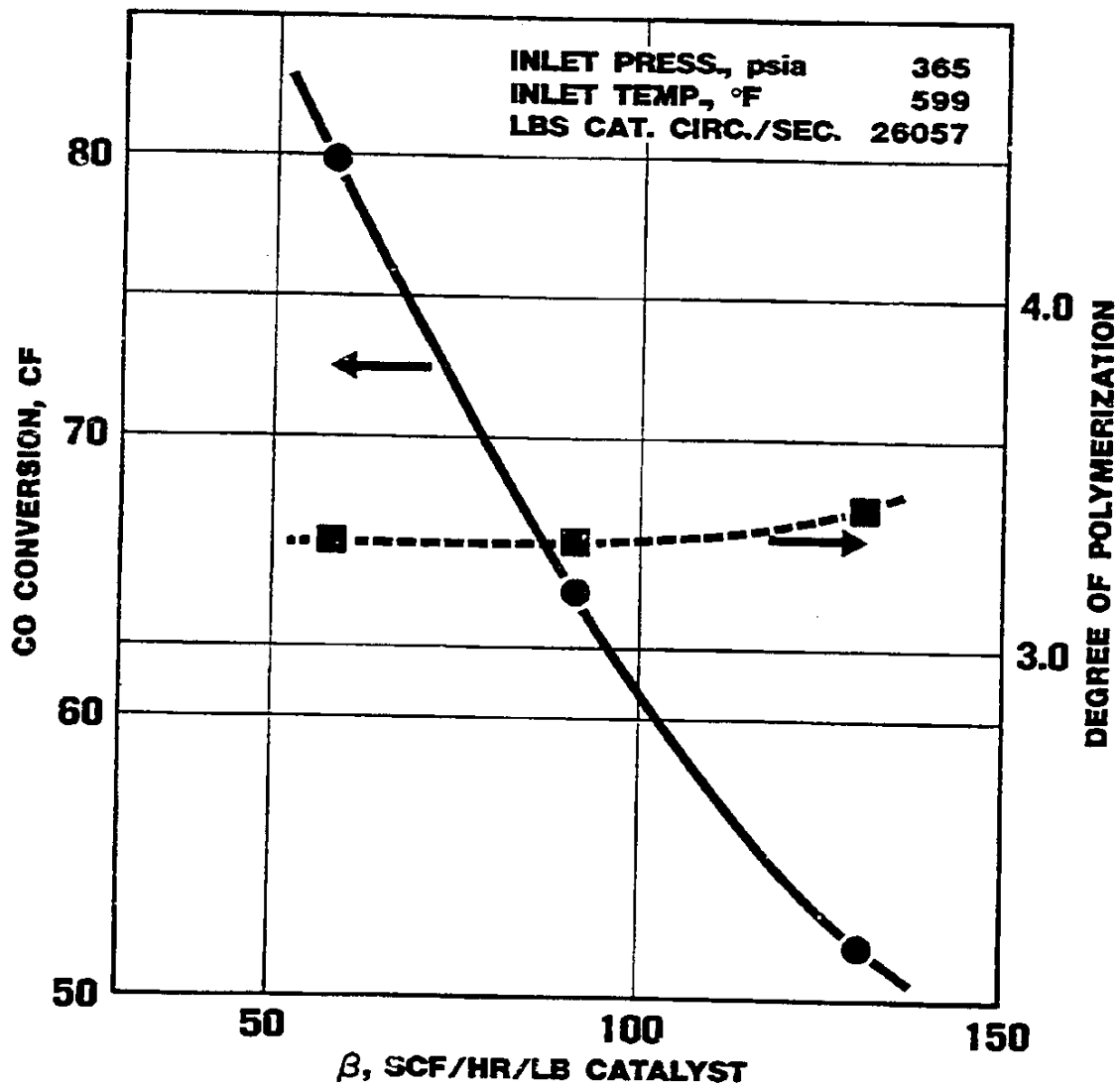
UOP 573-26

FIGURE 4.3-19
FISCHER TROPSCH
ENTRAINED BED REACTOR
CO CONVERSION vs. PRESSURE
DEGREE OF POLYMERIZATION vs. PRESSURE



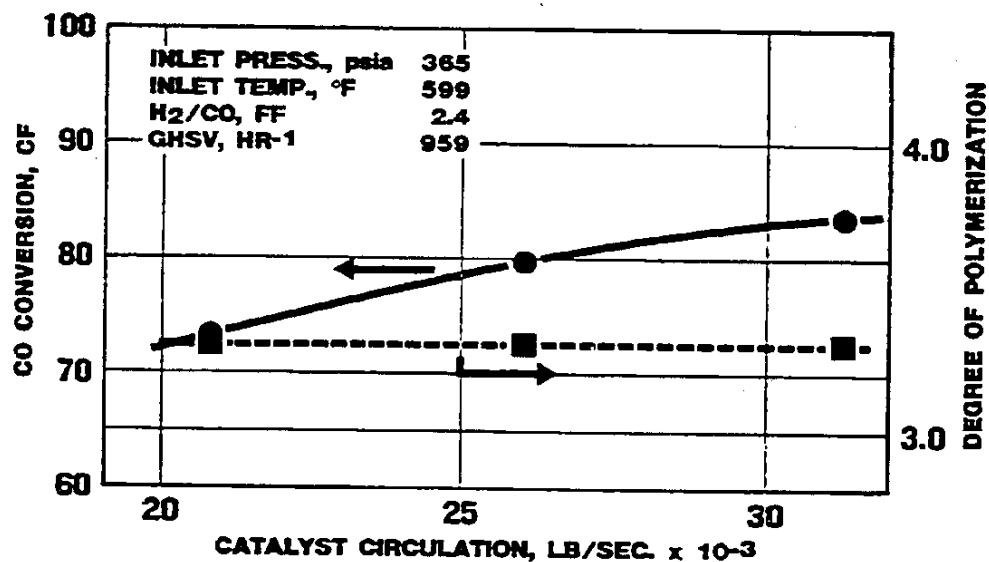
UOP 573-27

FIGURE 4.3-20
FISCHER-TROPSCH
ENTRAINED BED REACTOR
CO CONVERSION vs. β
DEGREE OF POLYMERIZATION vs. β



UOP 573-10

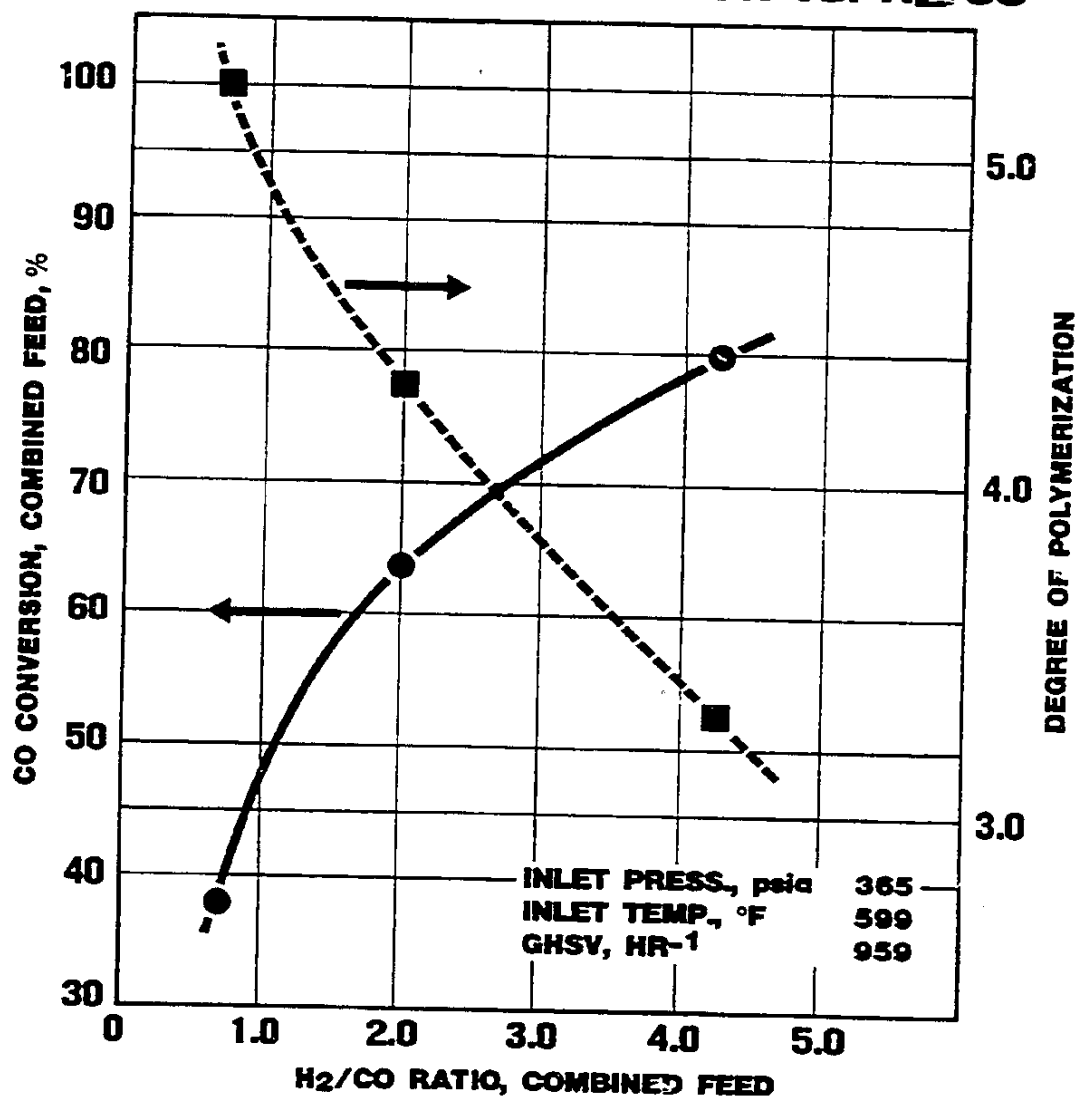
FIGURE 4.3-21
FISCHER-TROPSCH
ENTRAINED BED REACTOR
CO CONVERSION vs. CATALYST CIRCULATION
DEGREE OF POLYMERIZATION vs. CATALYST CIRCULATION



UOP 573-6

FIGURE 4.3-22

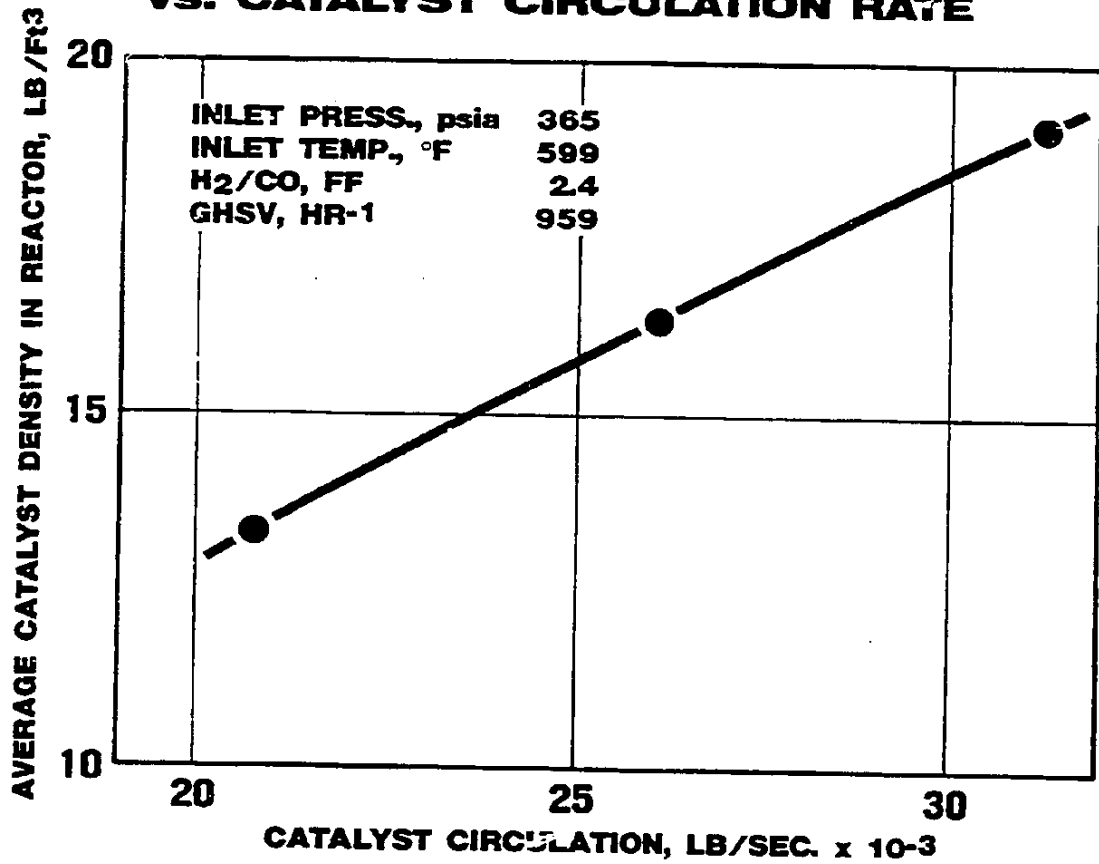
FISCHER TROPSCH
ENTRAINED BED REACTOR
CO CONVERSION vs. H₂/CO RATIO
DEGREE OF POLYMERIZATION vs. H₂/CO



UOP 573-28

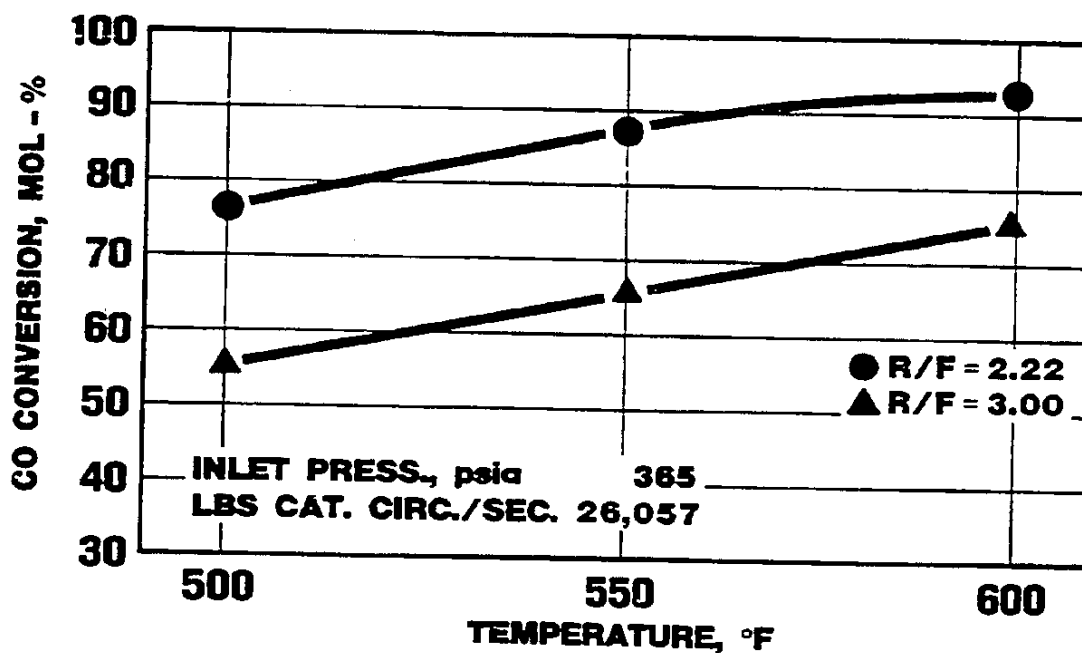
FIGURE 4.3-23

**FISCHER-TROPSCH
ENTRAINED BED REACTOR
AVERAGE CATALYST DENSITY
VS. CATALYST CIRCULATION RATE**



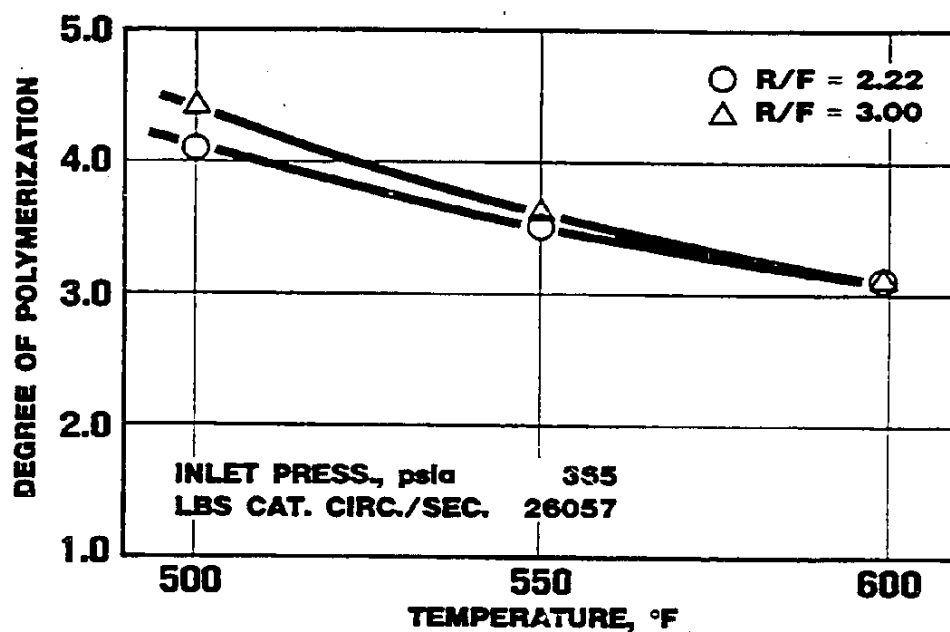
UOP 573-8

FIGURE 4.3-24
FISCHER TROPSCH
ENTRAINED BED REACTOR
CO CONVERSION vs. TEMPERATURE



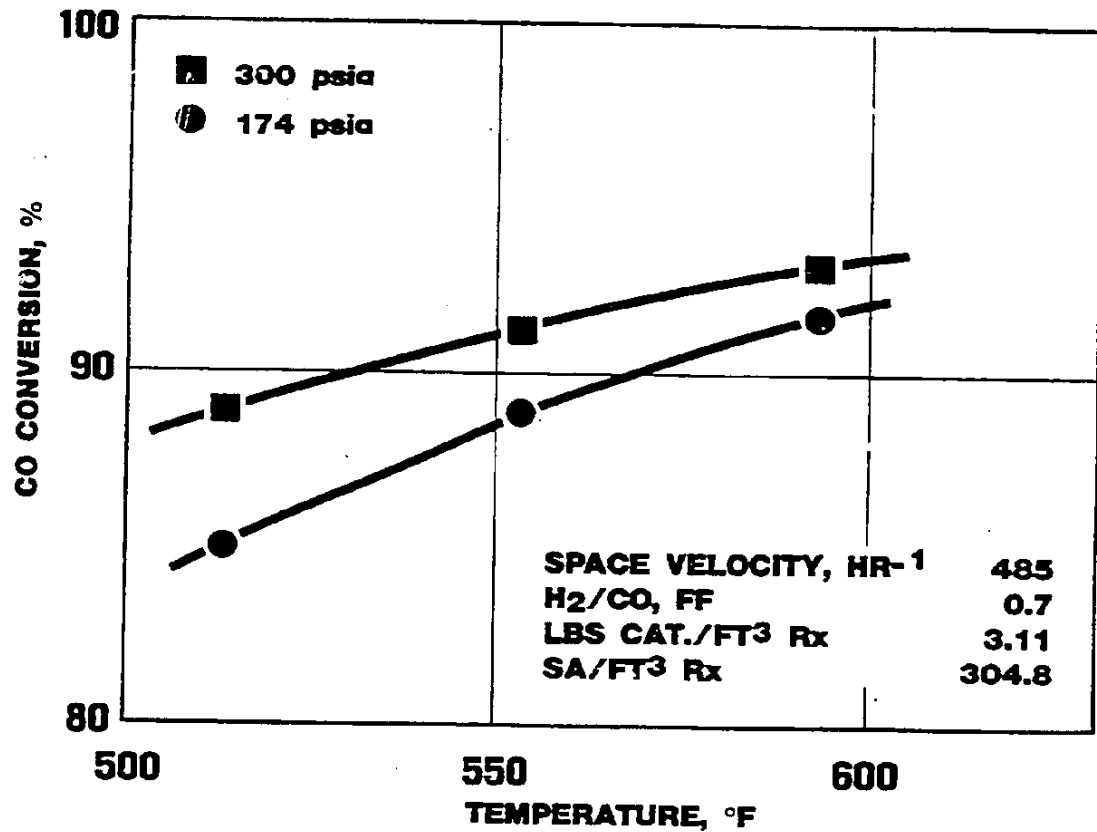
UOP 573-29

FIGURE 4.3-25
FISCHER TROPSCH
ENTRAINED BED REACTOR
DEGREE OF POLYMERIZATION vs. TEMPERATURE



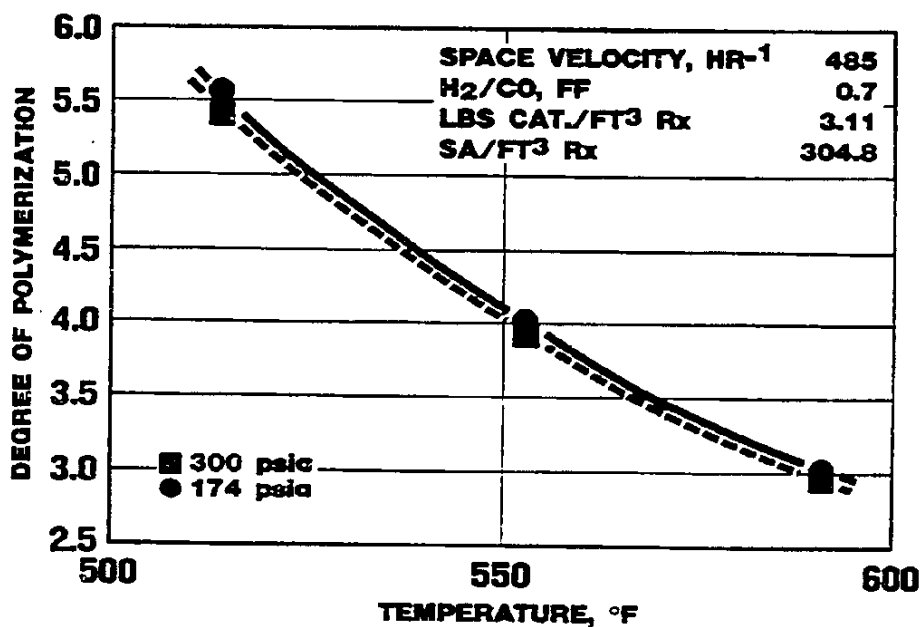
UOP 573-30

FIGURE 4.3-26
FISCHER TROPSCH
SLURRY REACTOR
CO CONVERSION vs. TEMPERATURE



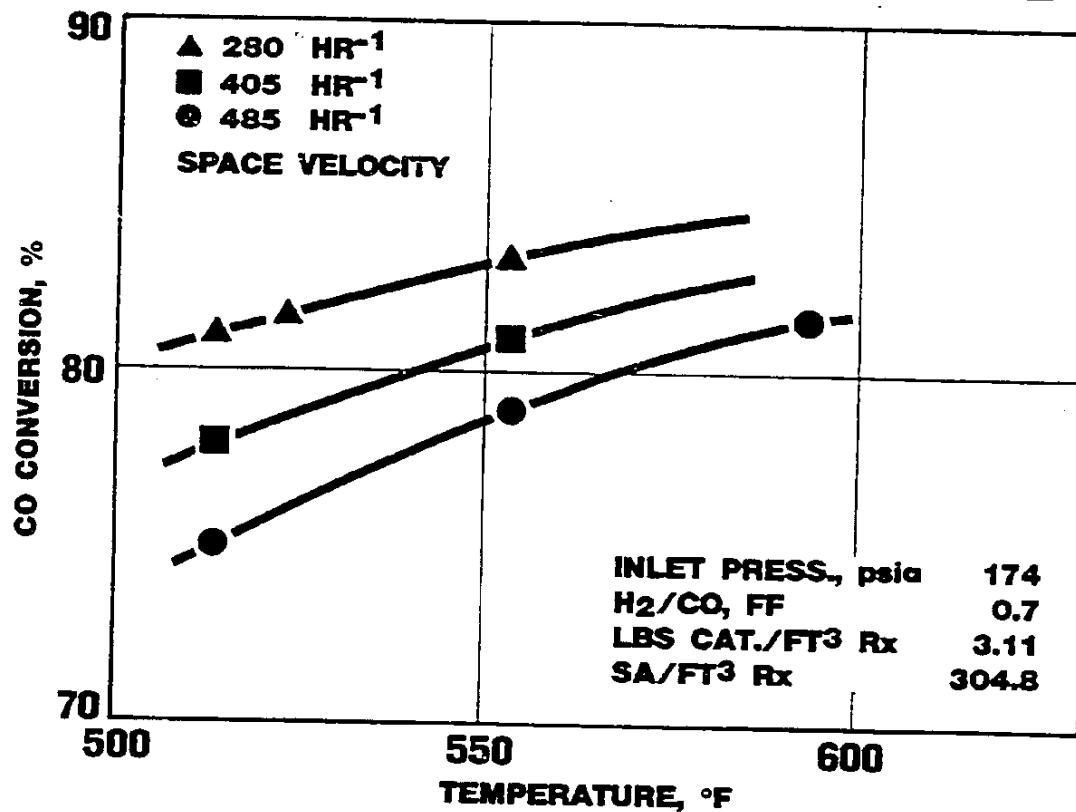
UOP 573-31

FIGURE 4.3-27
FISCHER TROPSCH
SLURRY REACTOR
DEGREE OF POLYMERIZATION vs. TEMPERATURE



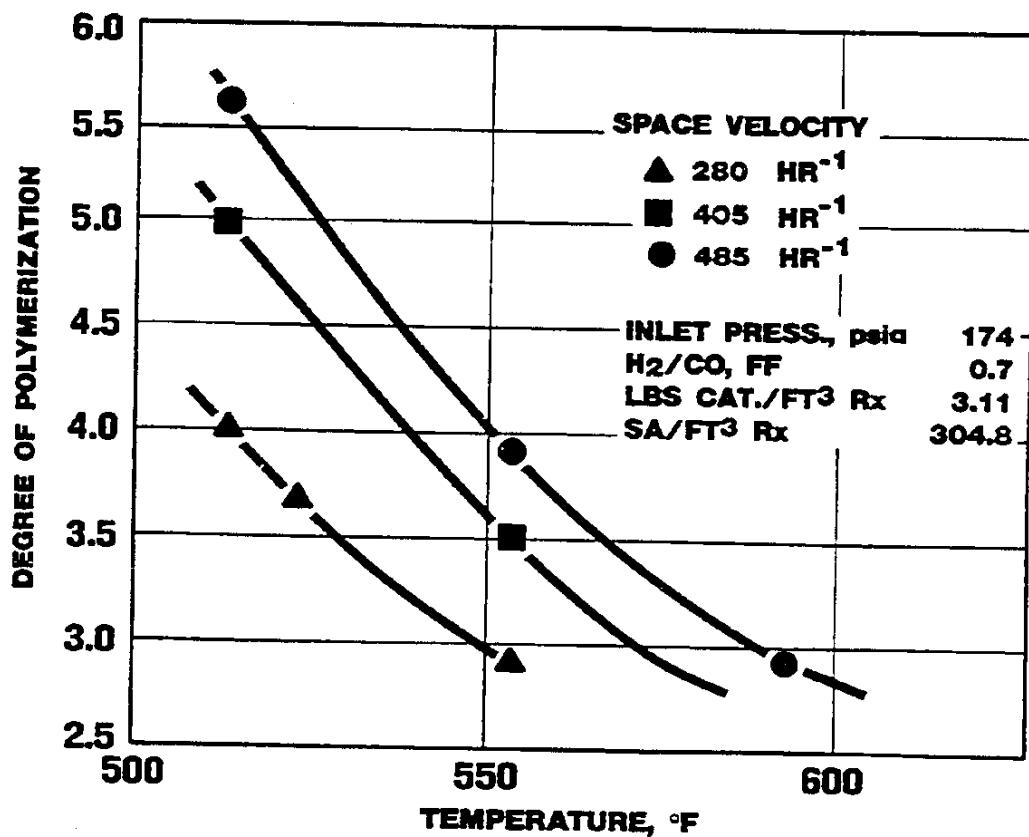
UOP 573-32

FIGURE 4.3-28
FISCHER TROPSCH
SLURRY REACTOR
CO CONVERSION vs. TEMPERATURE



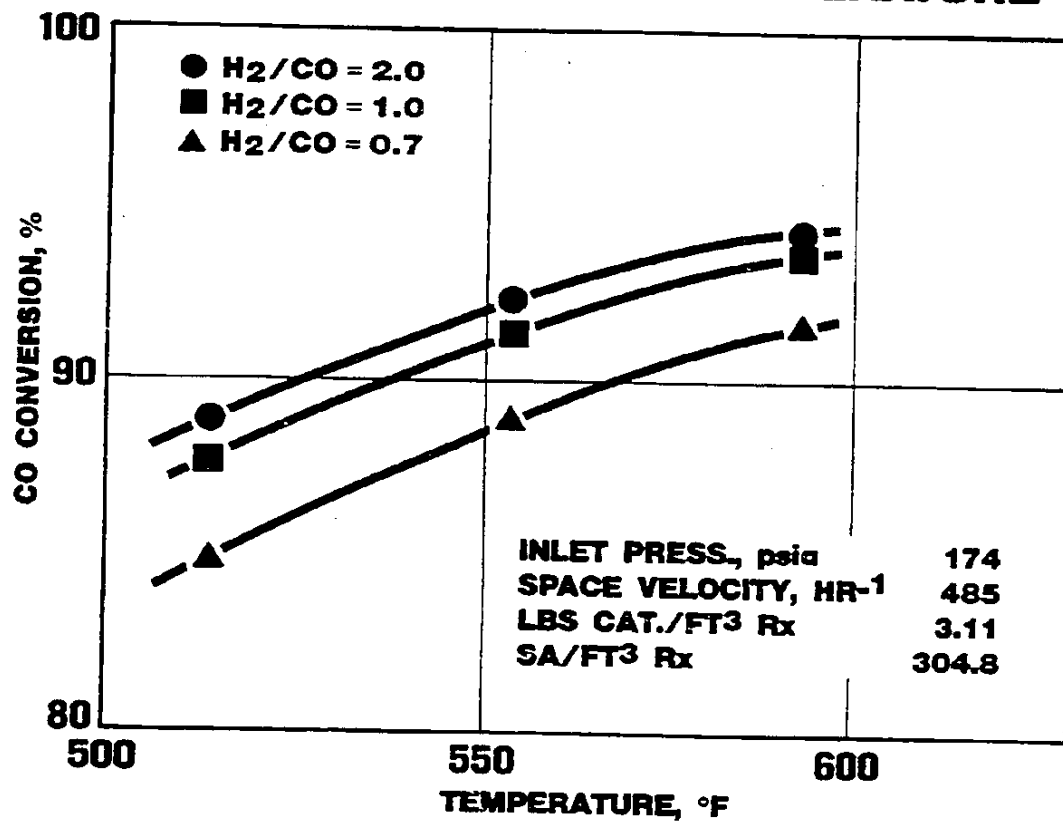
UOP 573-33

FIGURE 4.3-29
FISCHER TROPSCH
SLURRY REACTOR
DEGREE OF POLYMERIZATION vs. TEMPERATURE



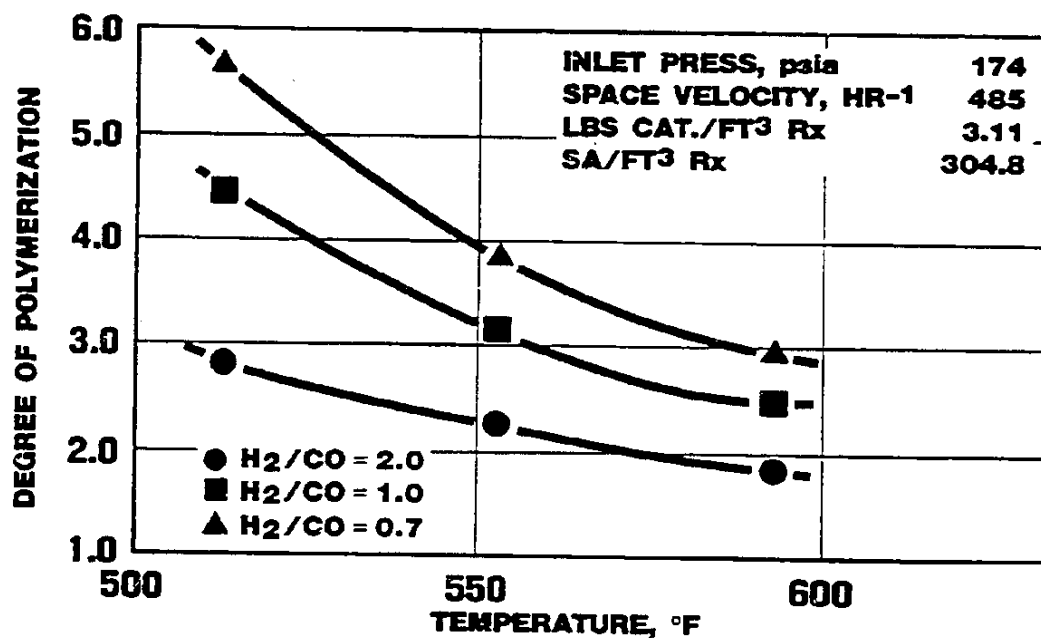
UOP 573-34

FIGURE 4.3-30
FISCHER TROPSCH
SLURRY REACTOR
CO CONVERSION vs. TEMPERATURE



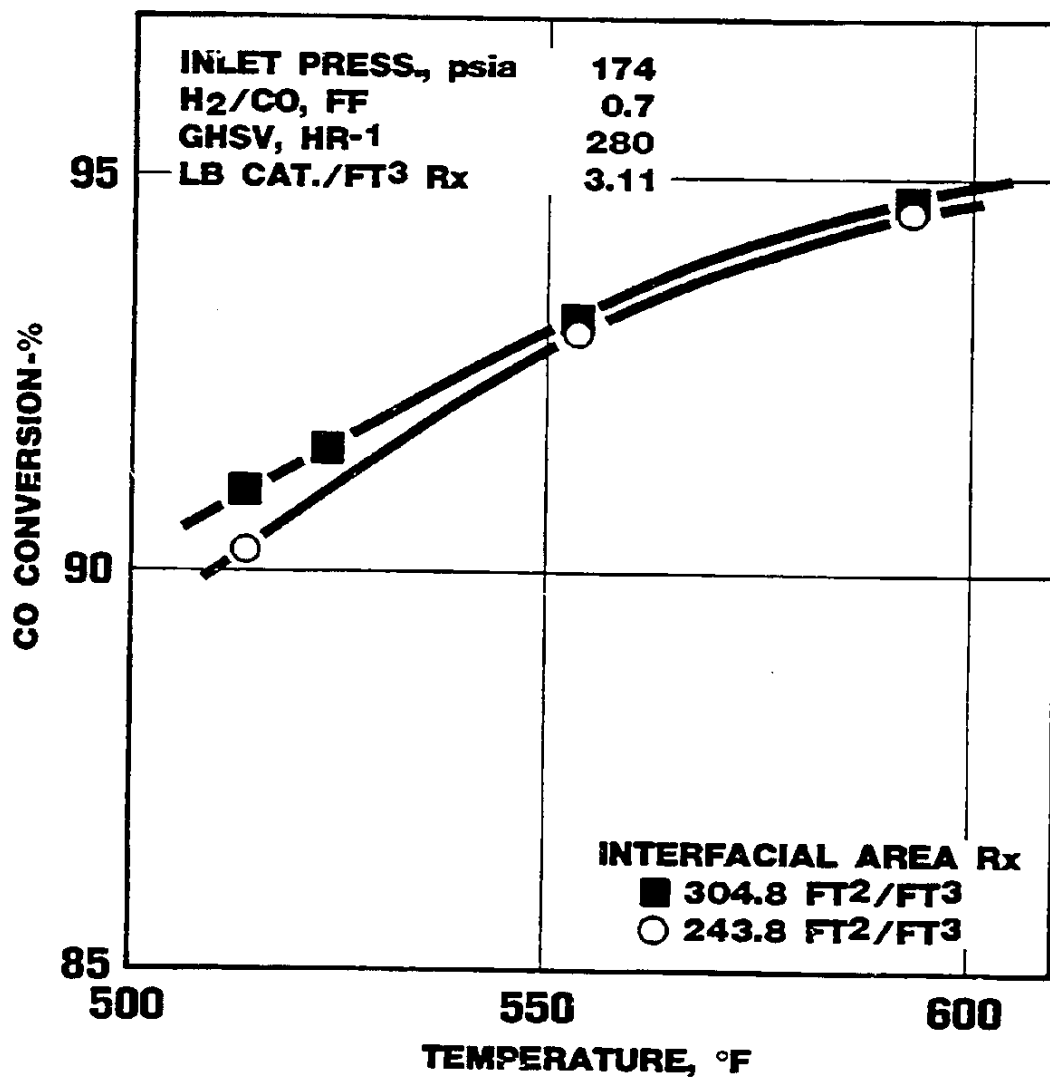
UOP 573-35

FIGURE 4.3-31
FISCHER TROPSCH
SLURRY REACTOR
DEGREE OF POLYMERIZATION vs. TEMPERATURE



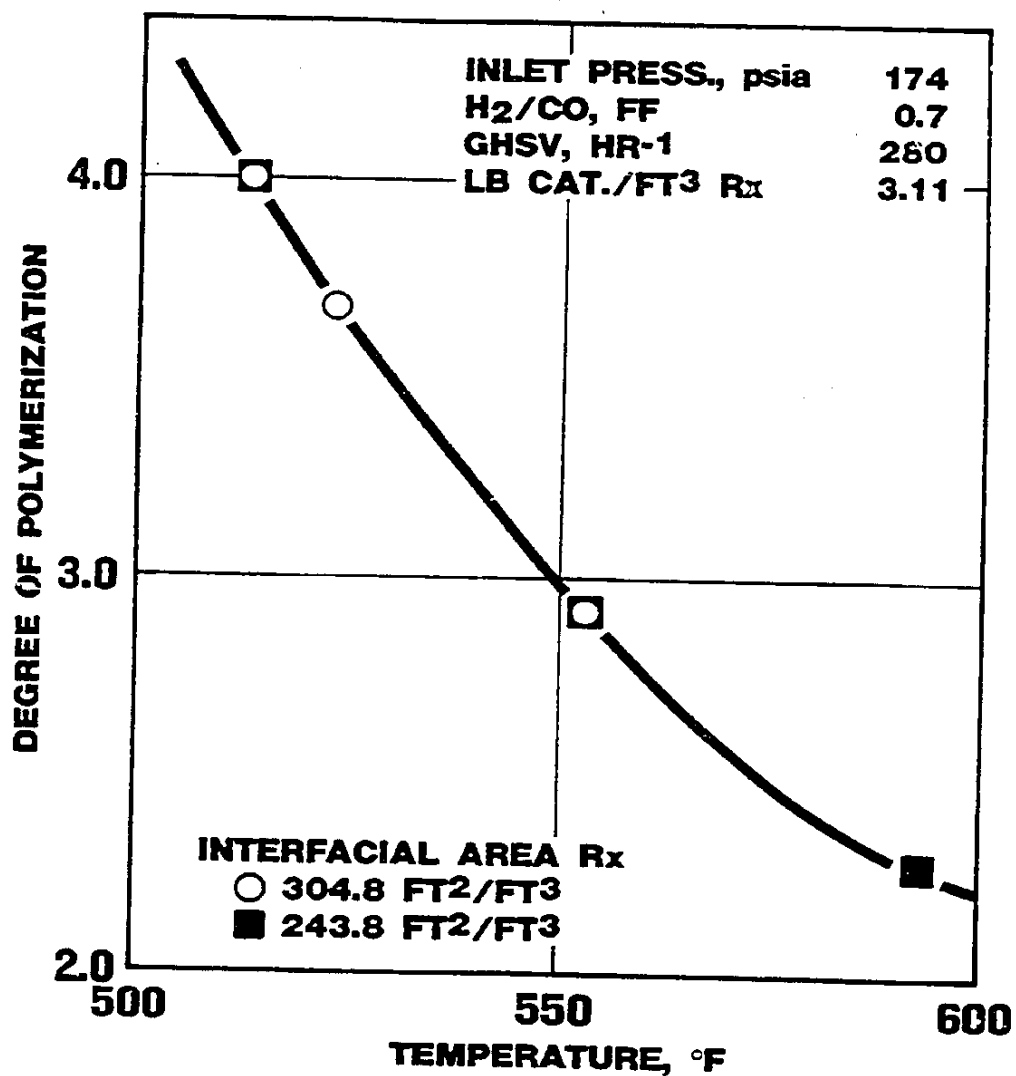
UOP 573-38

FIGURE 4.3-32
FISCHER-TROPSCH
SLURRY REACTOR
CO CONVERSION vs. TEMPERATURE



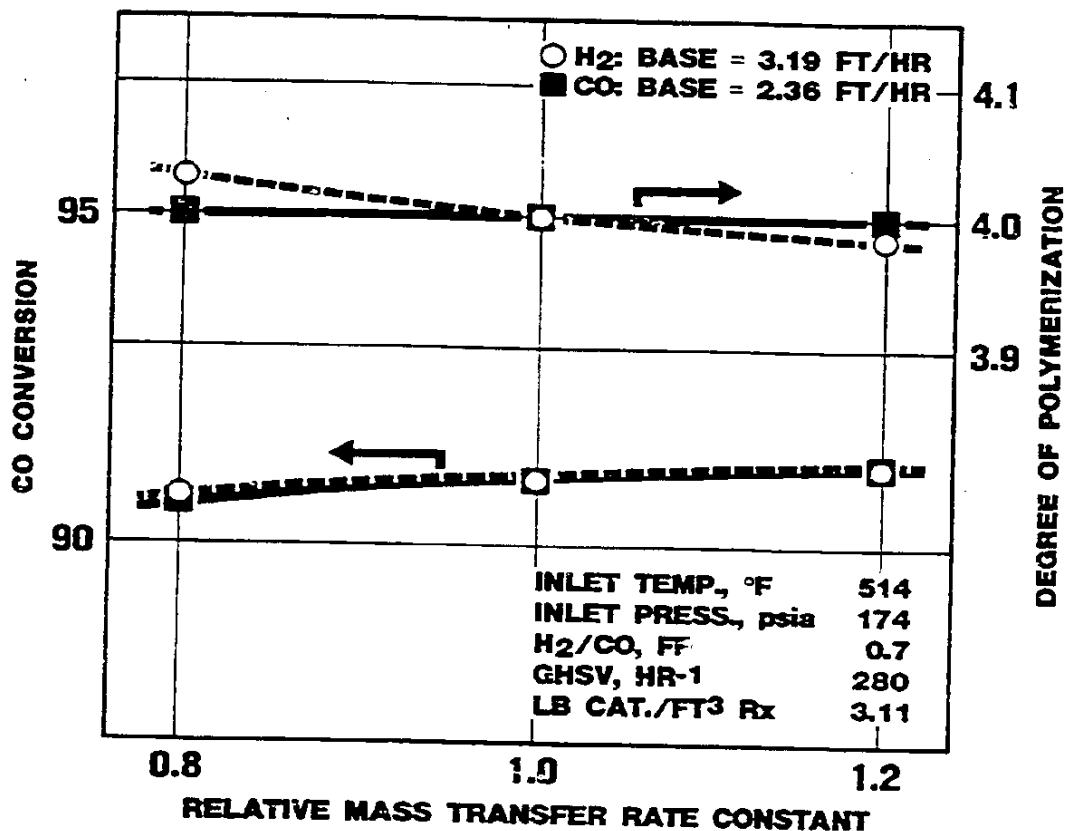
UOP 573-11

FIGURE 4.3-33
FISCHER-TROPSCH
SLURRY REACTOR
DEGREE OF POLYMERIZATION
VS. TEMPERATURE



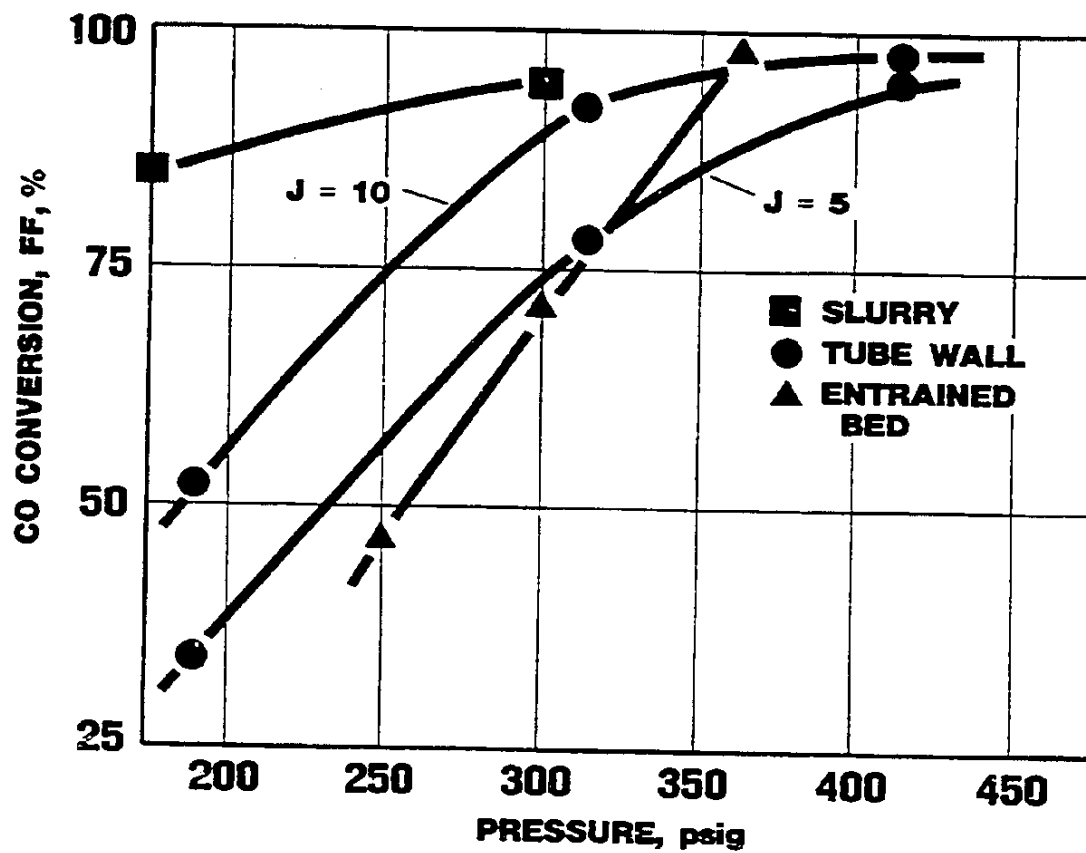
UOP 573-12

FIGURE 4.3-34
FISCHER-TROPSCH
SLURRY REACTOR SYSTEM
CO CONVERSION AND DEGREE OF POLYMERIZATION
VS. RELATIVE MASS TRANSFER RATE CONSTANTS



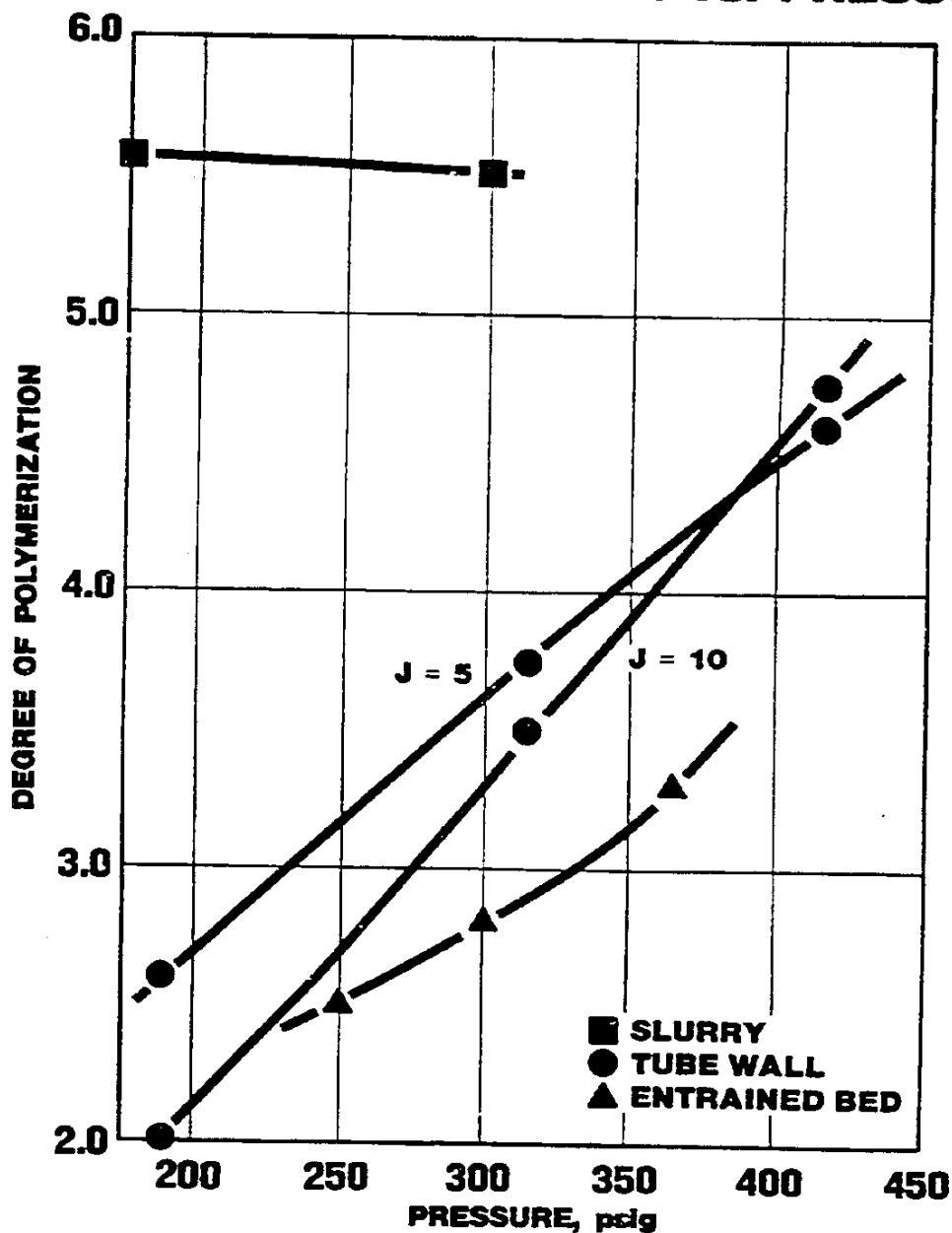
UOP 573-13

FIGURE 4.3-35
FISCHER TROPSCH
REACTOR COMPARISON
CO CONVERSION vs. PRESSURE



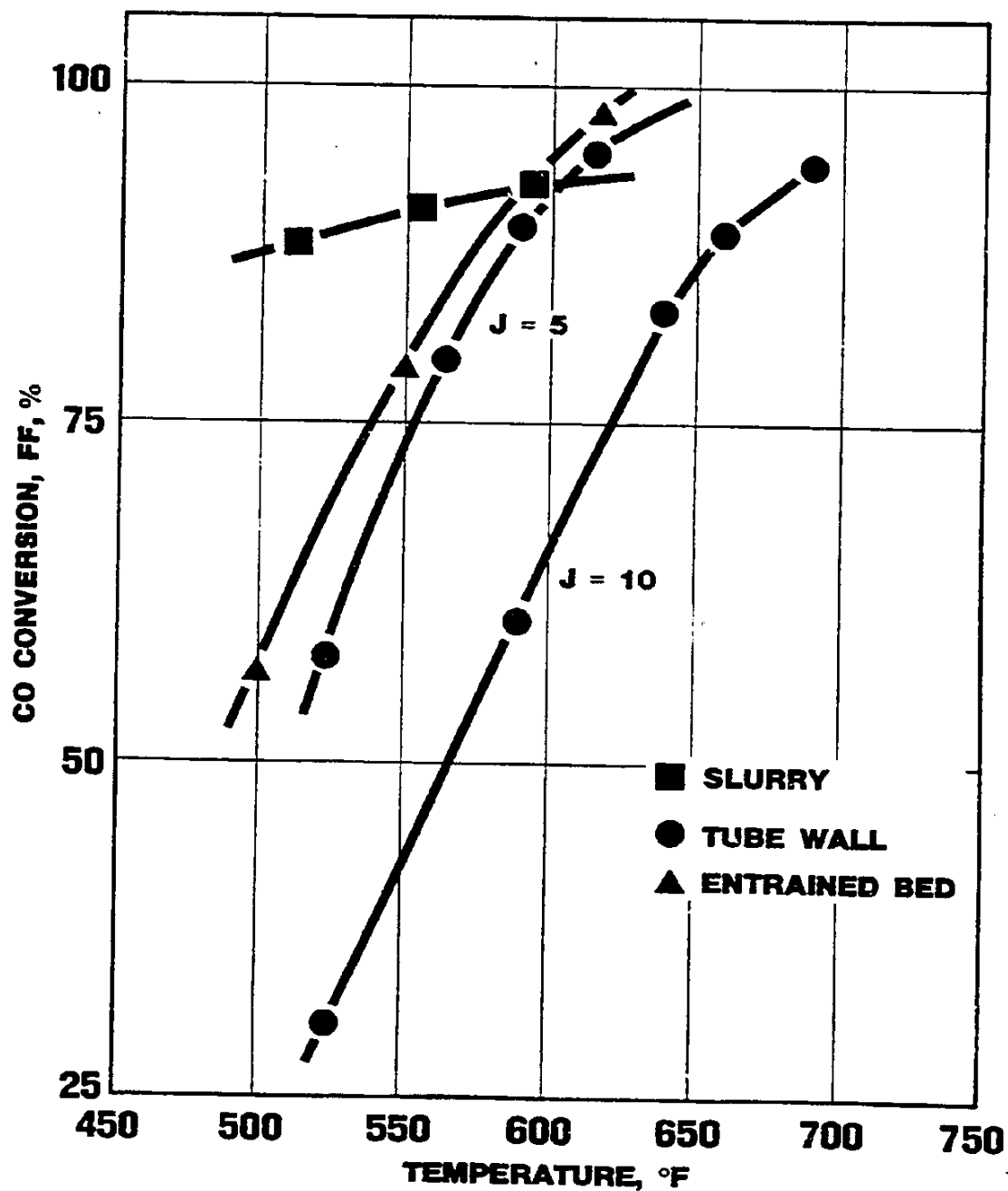
UOP 573-37

FIGURE 4.3-36
FISCHER TROPSCH
REACTOR COMPARISON
DEGREE OF POLYMERIZATION vs. PRESSURE



UOP 573-38

FIGURE 4.3-37
FISCHER TROPSCH
REACTOR COMPARISON
CO CONVERSION vs. TEMPERATURE



UOP 573-39

FIGURE 4.3-38
FISCHER-TROPSCH
 REACTOR COMPARISON
 DEGREE OF POLYMERIZATION vs. TEMPERATURE

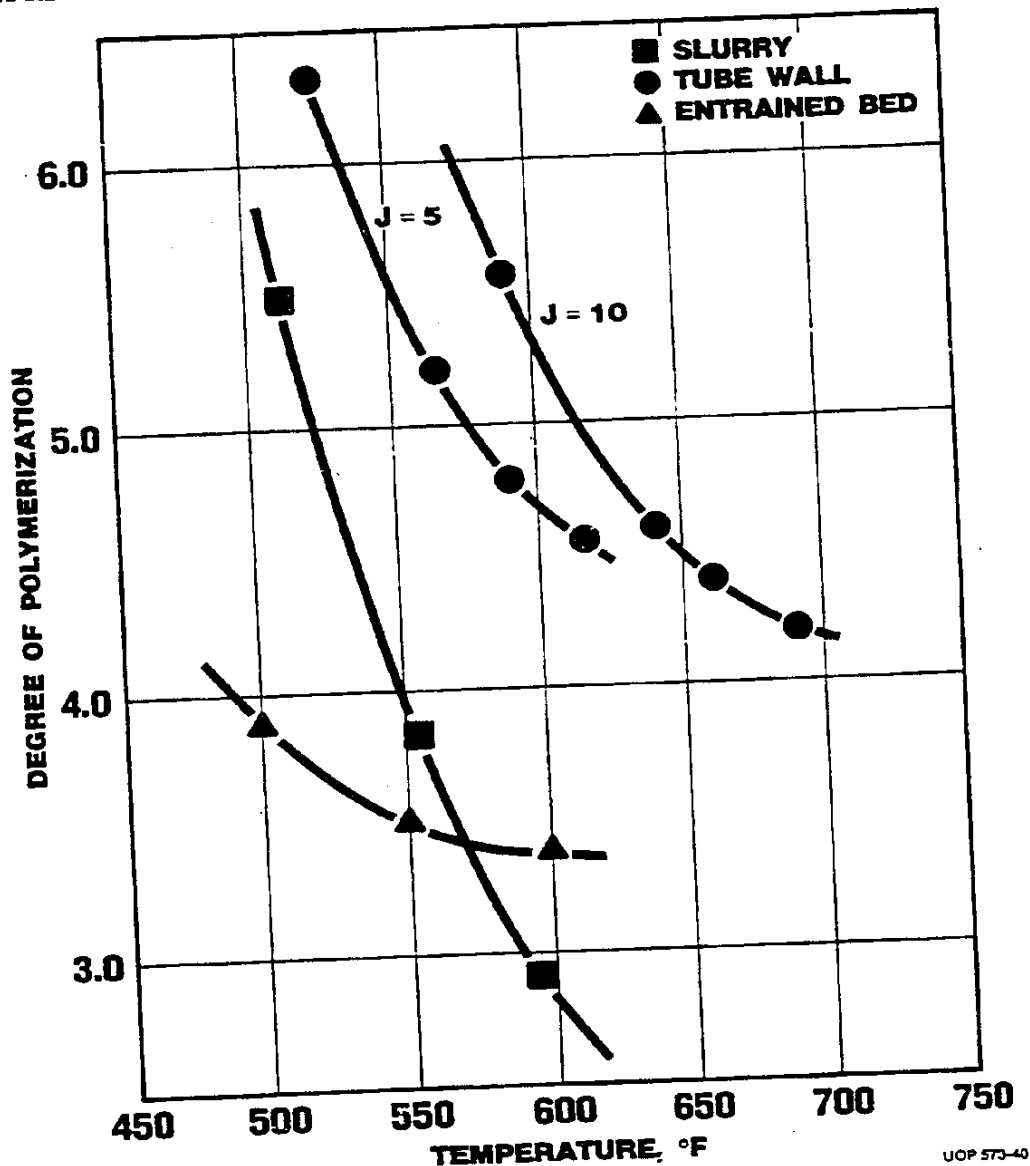
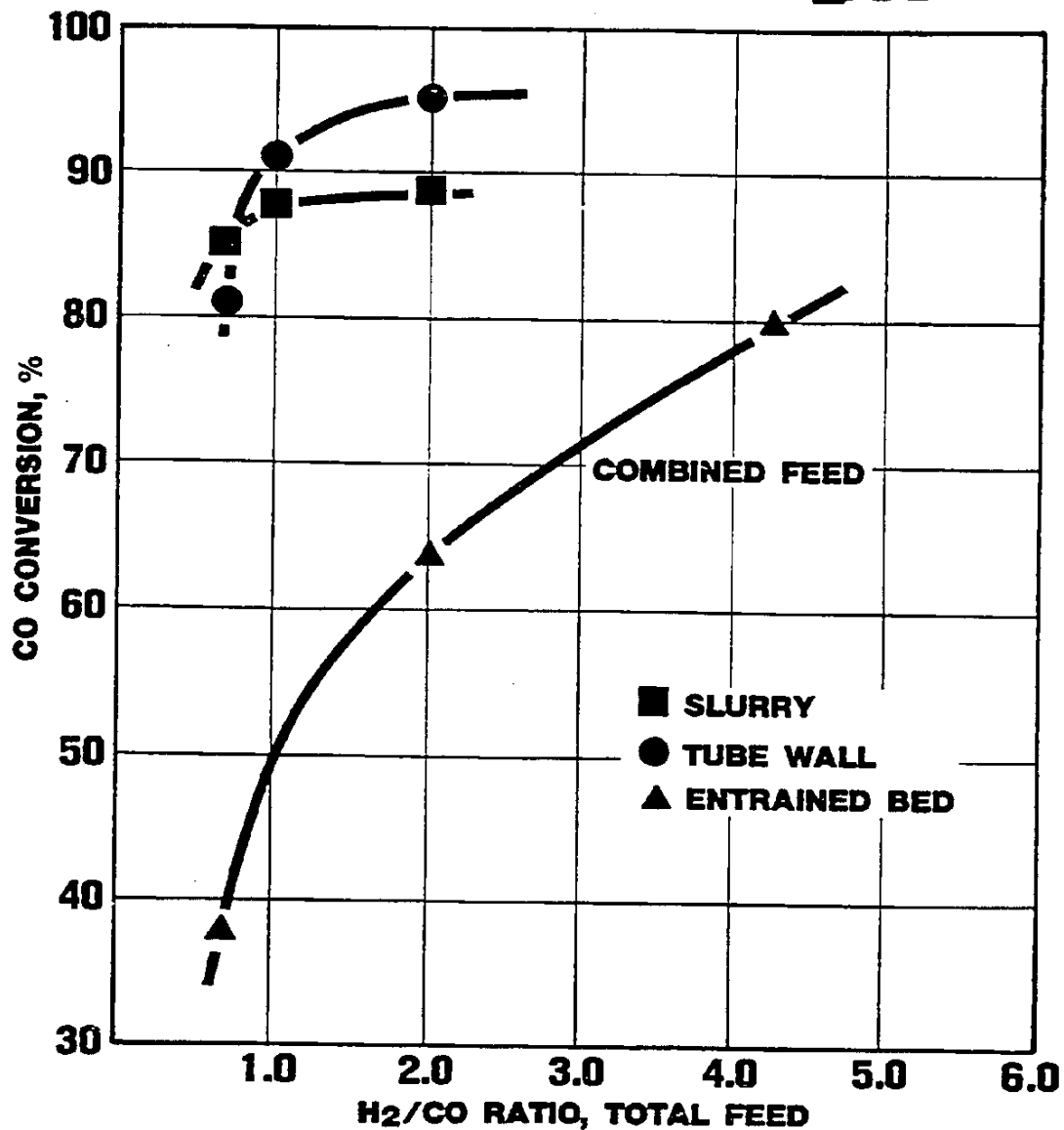
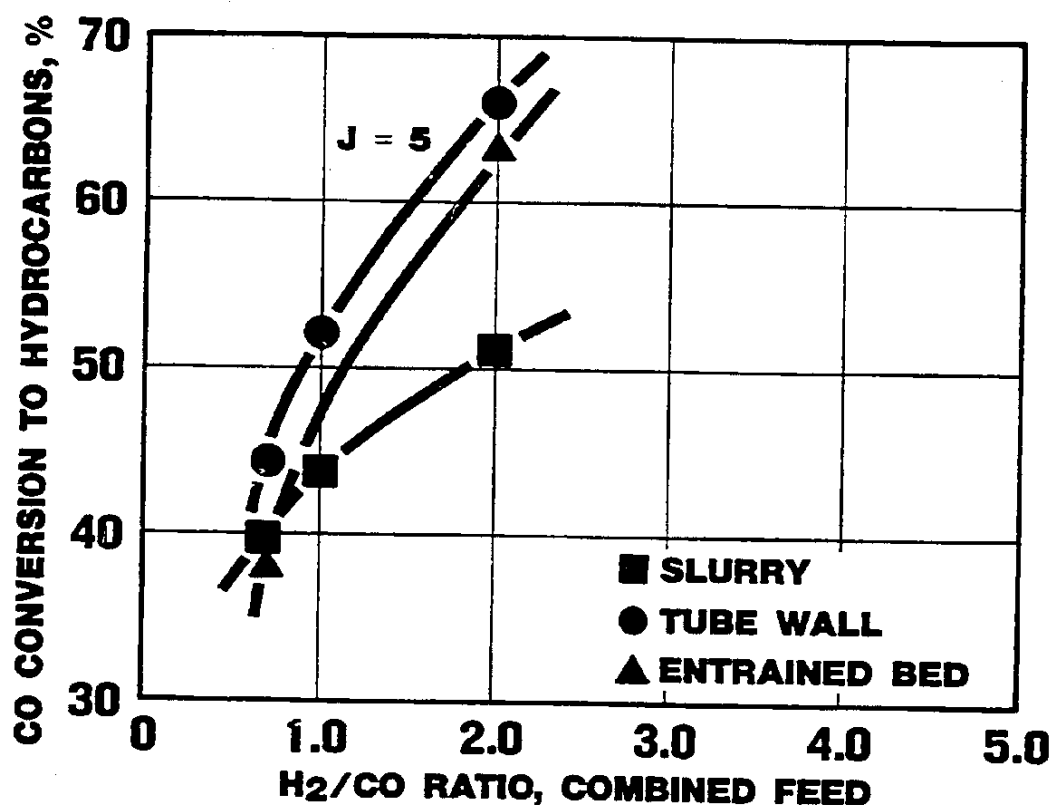


FIGURE 4.3-39
FISCHER TROPSCH
REACTOR COMPARISON
CO CONVERSION vs. H₂/CO



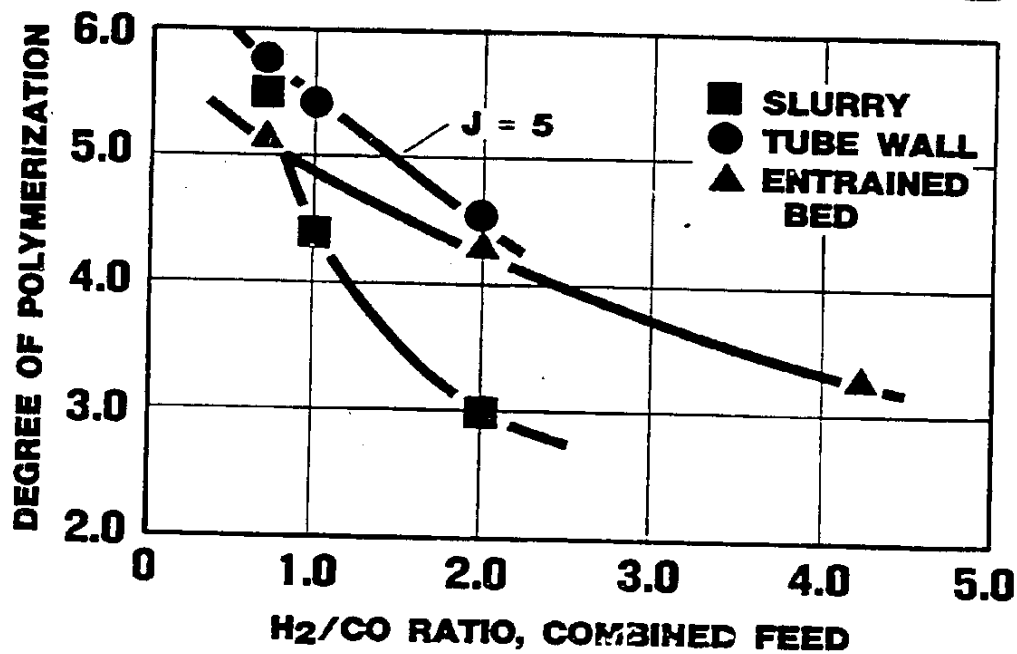
UOP 573-41

FIGURE 4.3-40
FISCHER TROPSCH
REACTOR COMPARISON
CO CONVERSION TO HYDROCARBONS
VS. H₂/CO RATIO, COMBINED FEED



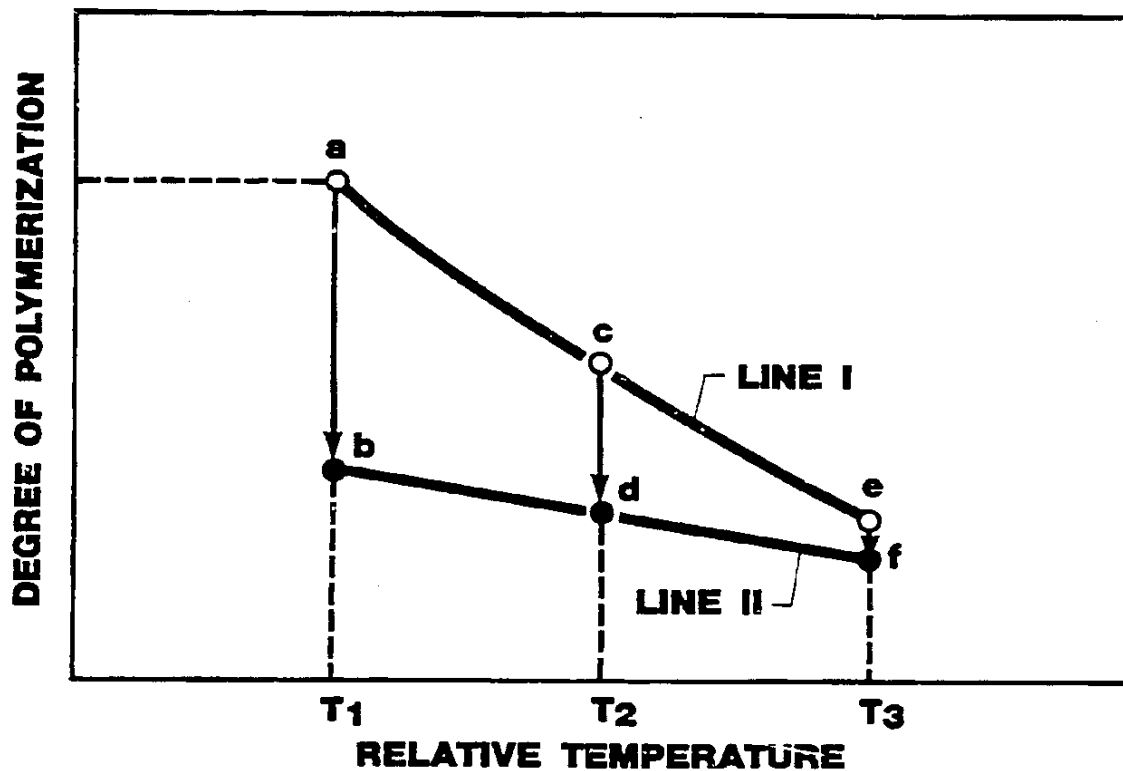
UOP 573-42

FIGURE 4.3-41
FISCHER TROPSCH
REACTOR COMPARISON
DEGREE OF POLYMERIZATION vs. H₂/CO



UOP 573-43

FIGURE 4.3-42
FISCHER TROPSCH
ENTRAINED BED REACTOR
INFLUENCE OF ΔT
ON DEGREE OF POLYMERIZATION



UOP 573-44