

FIGURE 151
LaPORTE TEST CATALYST IN STIRRED AUTOCLAVE
 72.7g 6827-62 in 290g C₃₀ oil
 H₂:CO in feed = 0.7, stirrer rpm = 1100

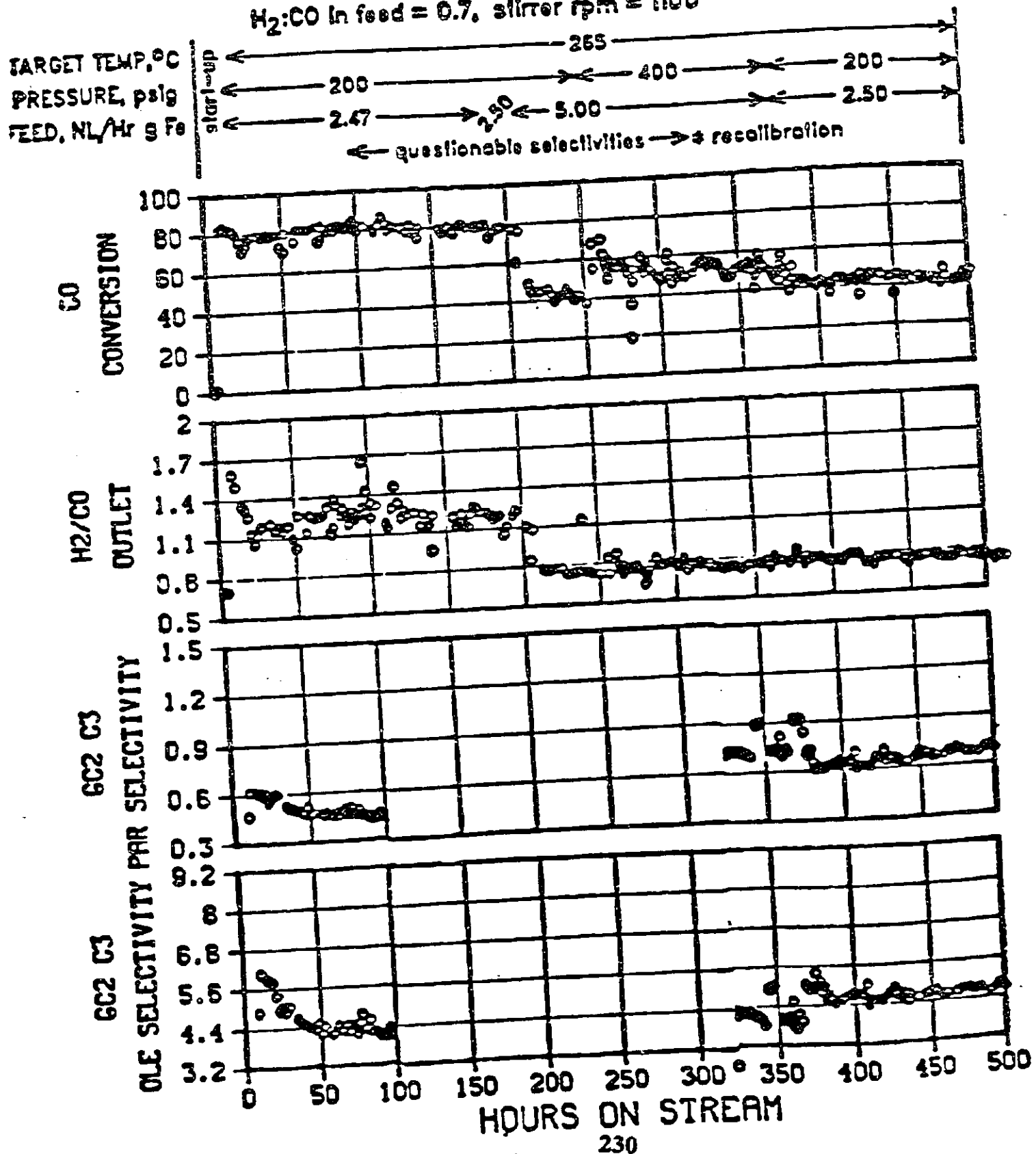


FIGURE 152
LaPORTE TEST CATALYST IN STIRRED AUTOCLAVE
 72.7g 6827-82 in 290g C₃₀ oil
 H₂:CO in feed = 0.7, stirrer rpm = 1100

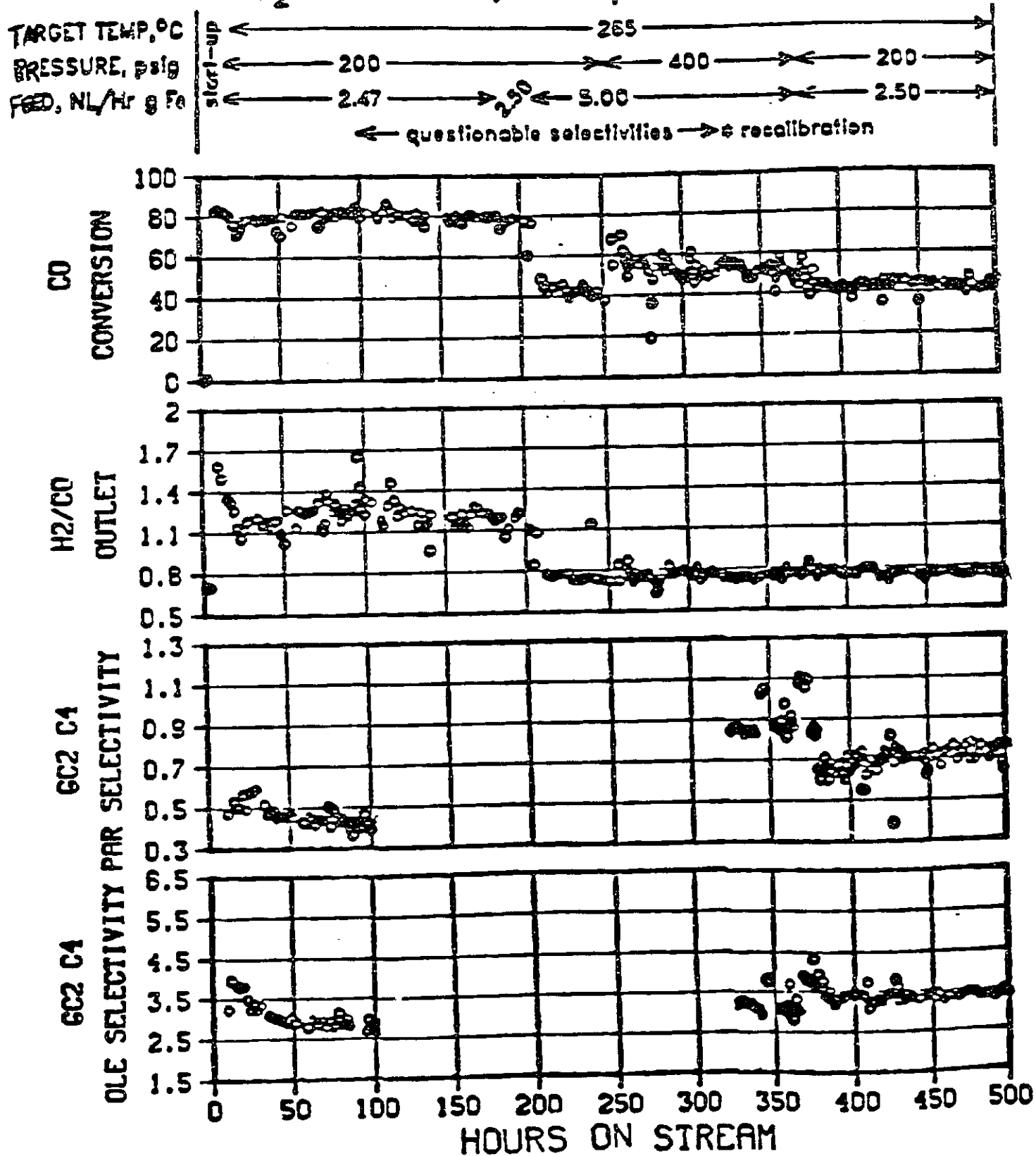
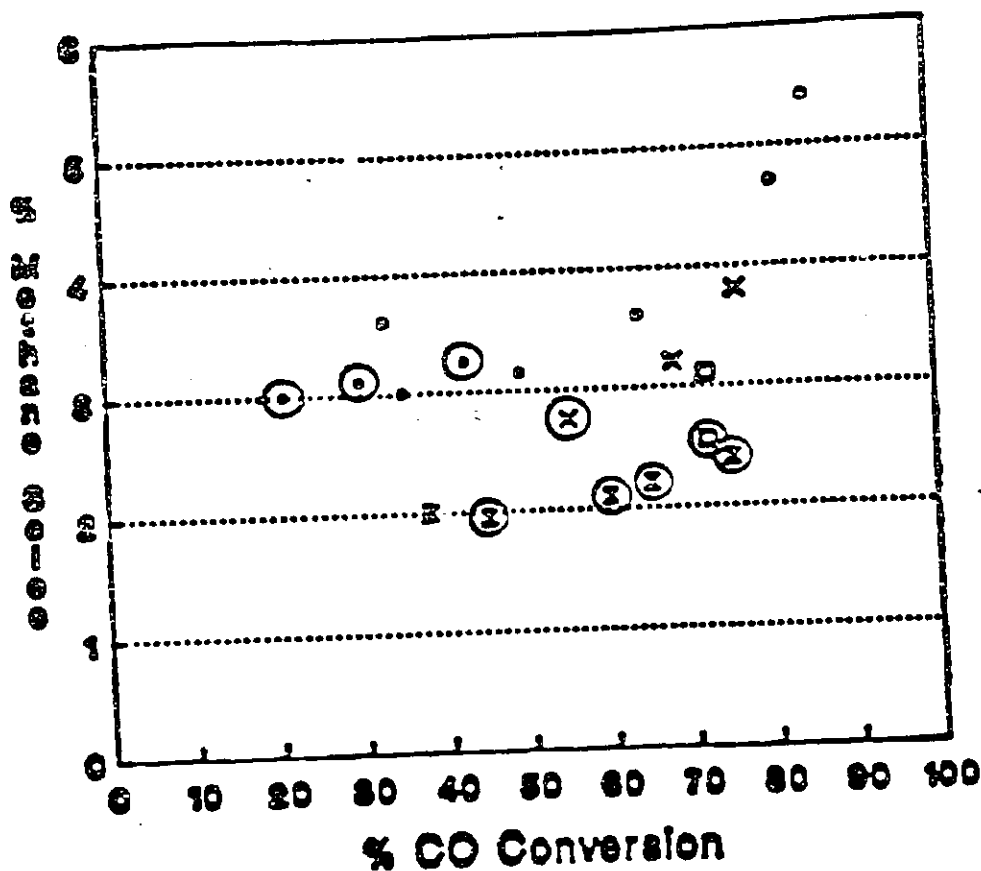


FIGURE 153

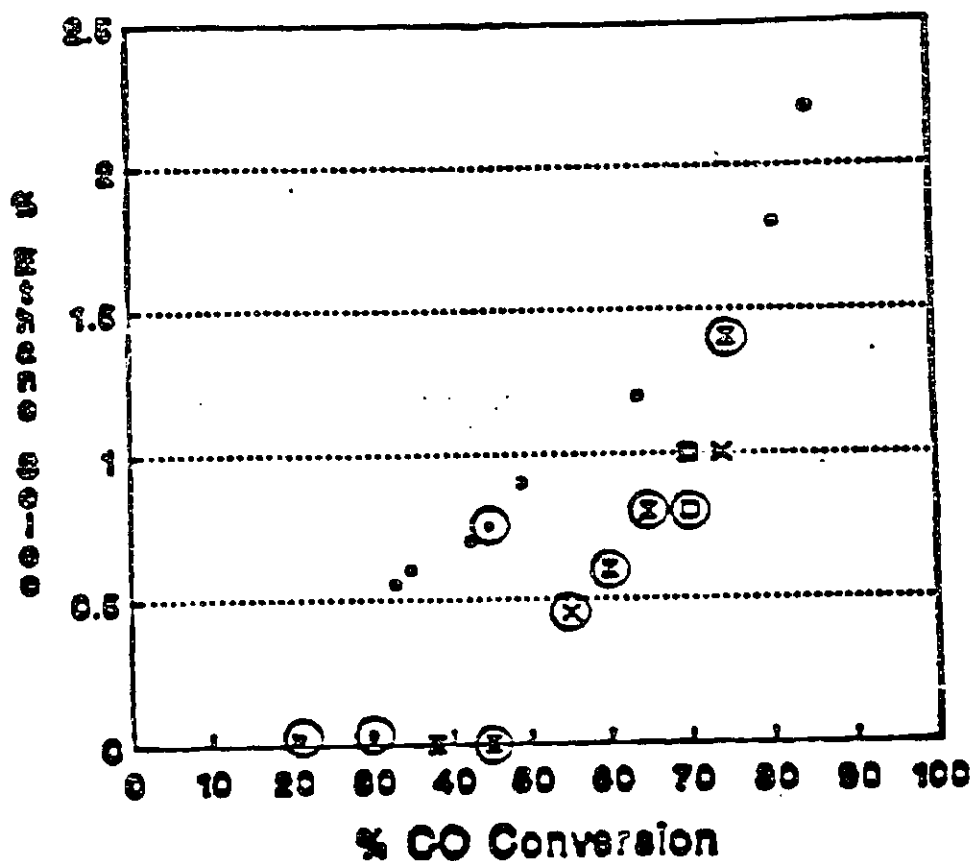
CATALYSTS FROM VARIOUS SOURCES OF POTASSIUM
MEDIUM AND HIGH POTASSIUM LEVELS



- ⊙ • KL @ START, 255° C AND 265° C, 2.1 K
- KL @ START, 265° C, NORMAL AND 1/2 NORMAL FEED RATE, 3.6 K
- × KC IMPREG, 265° C, 2.1 K ⌘ KL DURING RUN, 265° C, 2.5 K
- ⊗ KC IMPREG, 265° C, 3.9 K ⊕ KL DURING RUN, 265° C AND UP, 3.6 K
- ▣ KC IMPREG + KL DURING RUN, 265° C, 2.4 K
- ⊕ KC IMPREG + KL DURING RUN, 265° C, 3.0 K

FIGURE 154

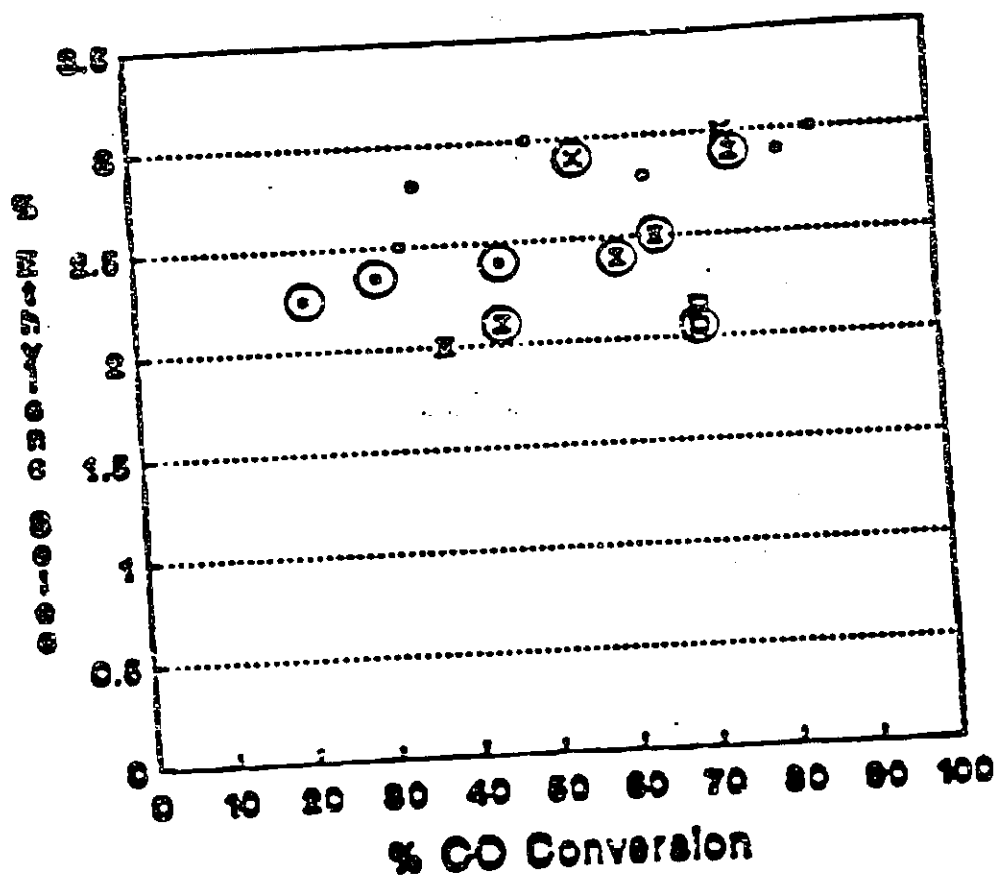
CATALYSTS FROM VARIOUS SOURCES OF POTASSIUM
MEDIUM AND HIGH POTASSIUM LEVELS



- ⊙ • KL @ START, 255° C AND 265° C, 2.1 K
- ⊠ KL @ START, 265° C, NORMAL AND 1/2 NORMAL FEED RATE, 3.6 K
- × KC IMPREG, 265° C, 2.1 K X KL DURING RUN, 265° C, 2.5 K
- ⊗ KC IMPREG, 265° C, 3.9 K ⊗ KL DURING RUN, 265° C AND UP, 3.6 K
- KC IMPREG + KL DURING RUN, 265° C, 2.4 K
- ⊕ KC IMPREG + KL DURING RUN, 265° C, 3.0 K

FIGURE 155

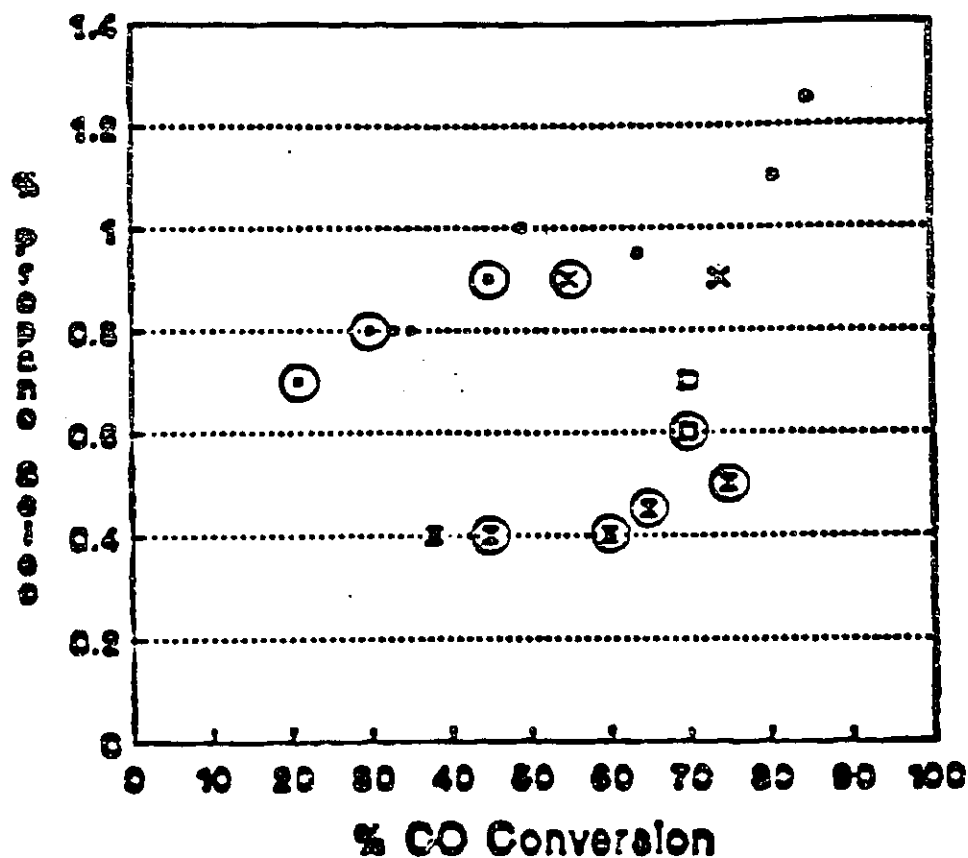
CATALYSTS FROM VARIOUS SOURCES OF POTASSIUM
MEDIUM AND HIGH POTASSIUM LEVELS



- ⊙ • KL @ START, 255° C AND 265° C, 2.1 K
- ◻ KL @ START, 265° C, NORMAL AND 1/2 NORMAL FEED RATE, 3.6 K
- × KC IMPREG, 265° C, 2.1 K ✕ KL DURING RUN, 265° C, 2.5 K
- ⊗ KC IMPREG, 265° C, 3.9 K ⊗ KL DURING RUN, 265° C AND LP, 3.6 K
- ◻ KC IMPREG + KL DURING RUN, 265° C, 2.4 K
- ⊙ KC IMPREG + KL DURING RUN, 265° C, 3.0 K

FIGURE 156

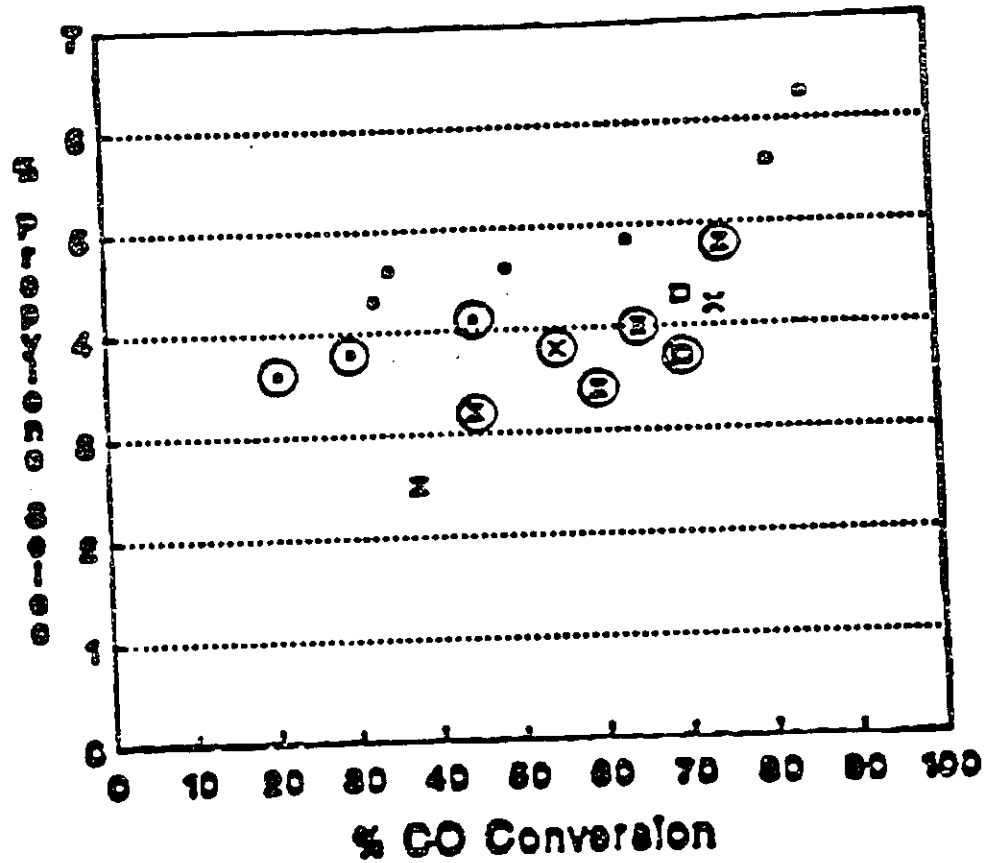
CATALYSTS FROM VARIOUS SOURCES OF POTASSIUM
MEDIUM AND HIGH POTASSIUM LEVELS



- ⊙ • KL @ START, 255° C AND 265° C, 2.1 K
- ◻ KL @ START, 265° C, NORMAL AND 1/2 NORMAL FEED RATE, 3.6 K
- × KC IMPREG, 265° C, 2.1 K × KL DURING RUN, 265° C, 2.5 K
- ⊗ KC IMPREG, 265° C, 3.9 K ⊗ KL DURING RUN, 265° C AND UP, 3.6 K
- ◻ KC IMPREG + KL DURING RUN, 265° C, 2.4 K
- ⊕ KC IMPREG + KL DURING RUN, 265° C, 3.0 K

FIGURE 157

CATALYSTS FROM VARIOUS SOURCES OF POTASSIUM
MEDIUM AND HIGH POTASSIUM LEVELS



⊙ • KL @ START, 255° C AND 265° C, 2.1 K

◻ KL @ START, 265° C, NORMAL AND 1/2 NORMAL FEED RATE, 3.6 K

× KC IMPREG, 265° C, 2.1 K

⊗ KL DURING RUN, 265° C, 2.5 K

⊗ KC IMPREG, 265° C, 3.9 K

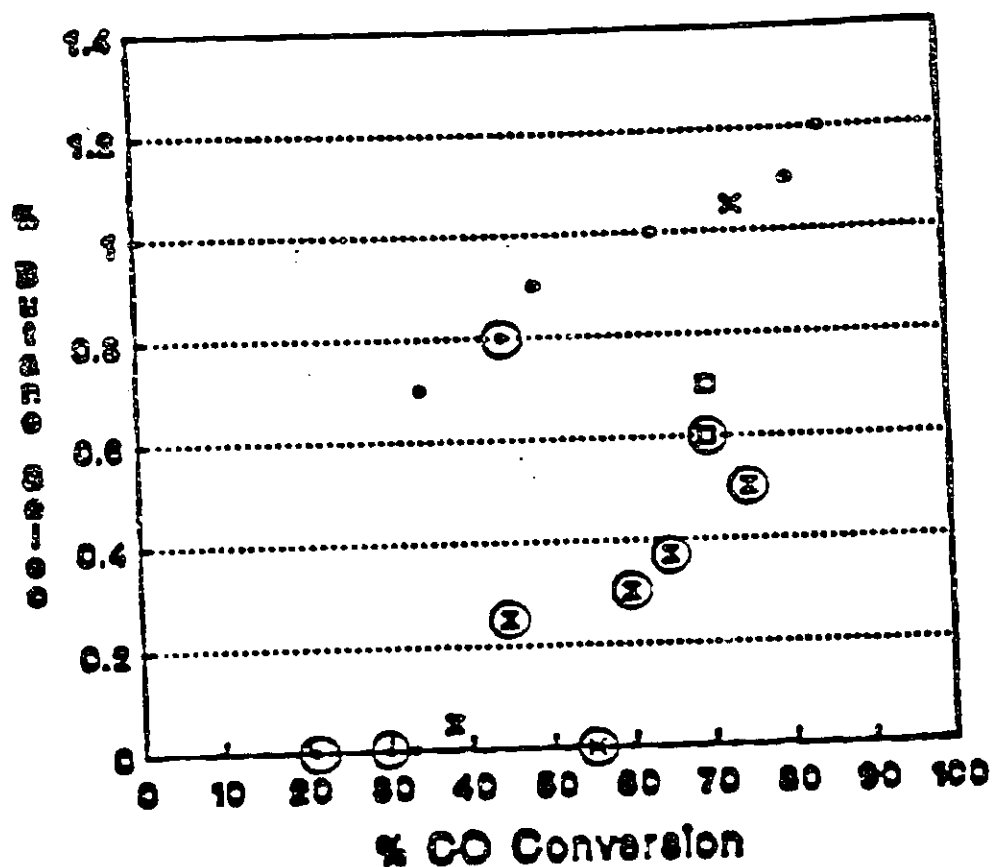
⊕ KL DURING RUN, 265° C AND UP, 3.6 K

◻ KC IMPREG + KL DURING RUN, 265° C, 2.4 K

⊕ KC IMPREG + KL DURING RUN, 265° C, 3.0 K

FIGURE 158

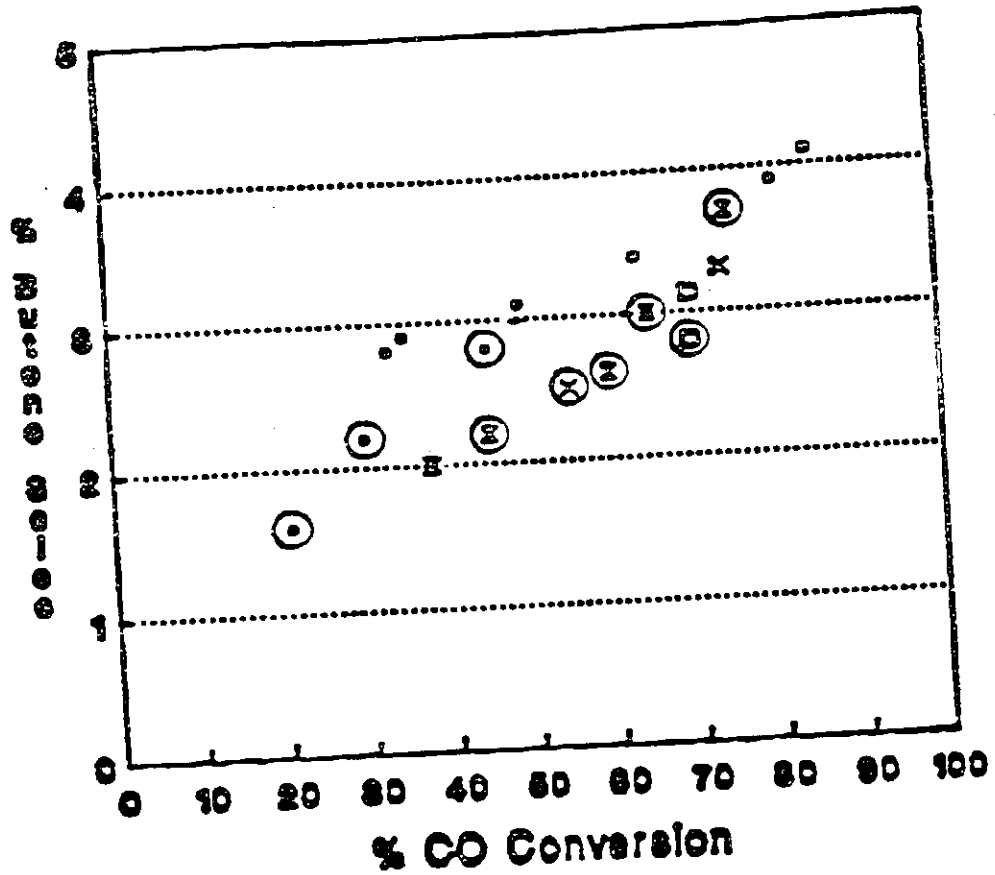
CATALYSTS FROM VARIOUS SOURCES OF POTASSIUM
MEDIUM AND HIGH POTASSIUM LEVELS



- ● KL @ START, 255° C AND 265° C, 2.1 K
- KL @ START, 265° C, NORMAL AND 1/2 NORMAL FEED RATE, 3.6 K
- × KC IMPREG, 265° C, 2.1 K ⊗ KL DURING RUN, 265° C, 2.5 K
- ⊗ KC IMPREG, 265° C, 3.9 K ⊕ KL DURING RUN, 265° C AND UP, 3.6 K
- KC IMPREG + KL DURING RUN, 265° C, 2.4 K
- ⊕ KC IMPREG + KL DURING RUN, 265° C, 3.0 K

FIGURE 159

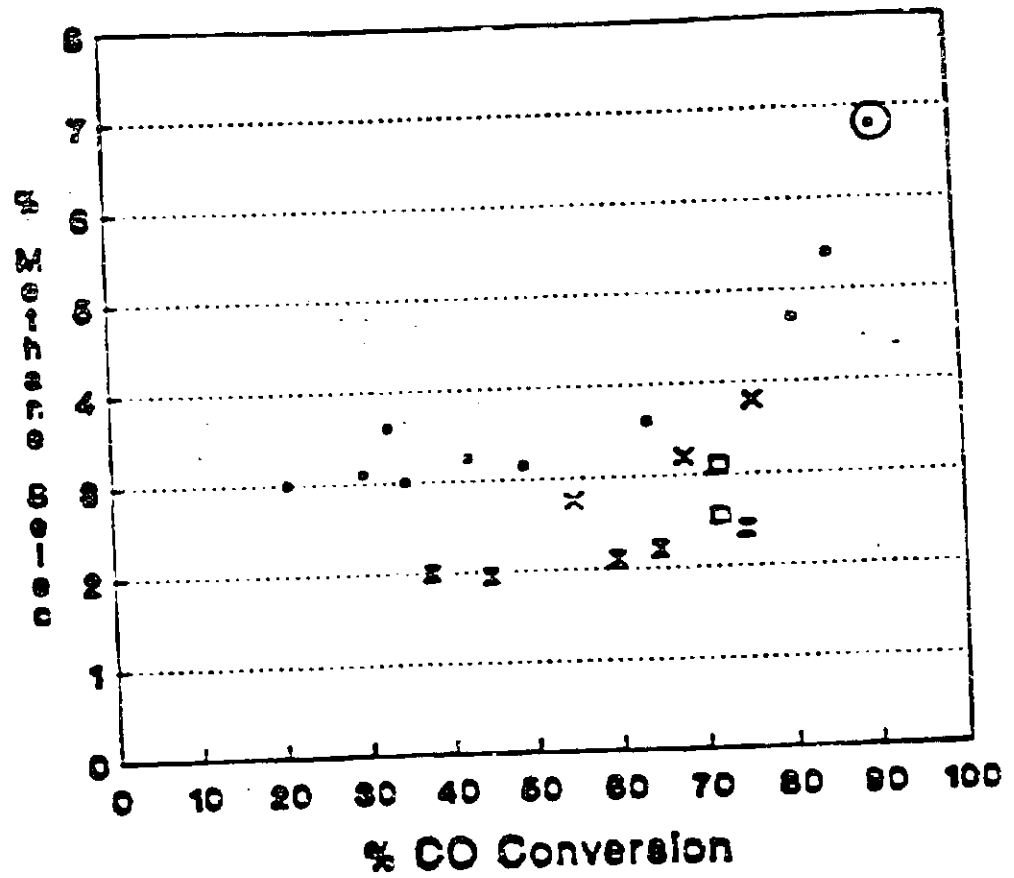
CATALYSTS FROM VARIOUS SOURCES OF POTASSIUM
MEDIUM AND HIGH POTASSIUM LEVELS



- ⊙ • KL @ START, 255° C AND 265° C, 2.1 K
- KL @ START, 265° C, NORMAL AND 1/2 NORMAL FEED RATE, 3.6 K
- × KC IMPREG, 265° C, 2.1 K
- ⊗ KC IMPREG, 265° C, 3.9 K
- ⊠ KL DURING RUN, 265° C, 2.5 K
- ⊞ KL DURING RUN, 265° C AND UP, 3.6 K
- ⊡ KC IMPREG + KL DURING RUN, 265° C, 2.4 K
- ⊚ KC IMPREG + KL DURING RUN, 265° C, 3.0 K

FIGURE 160

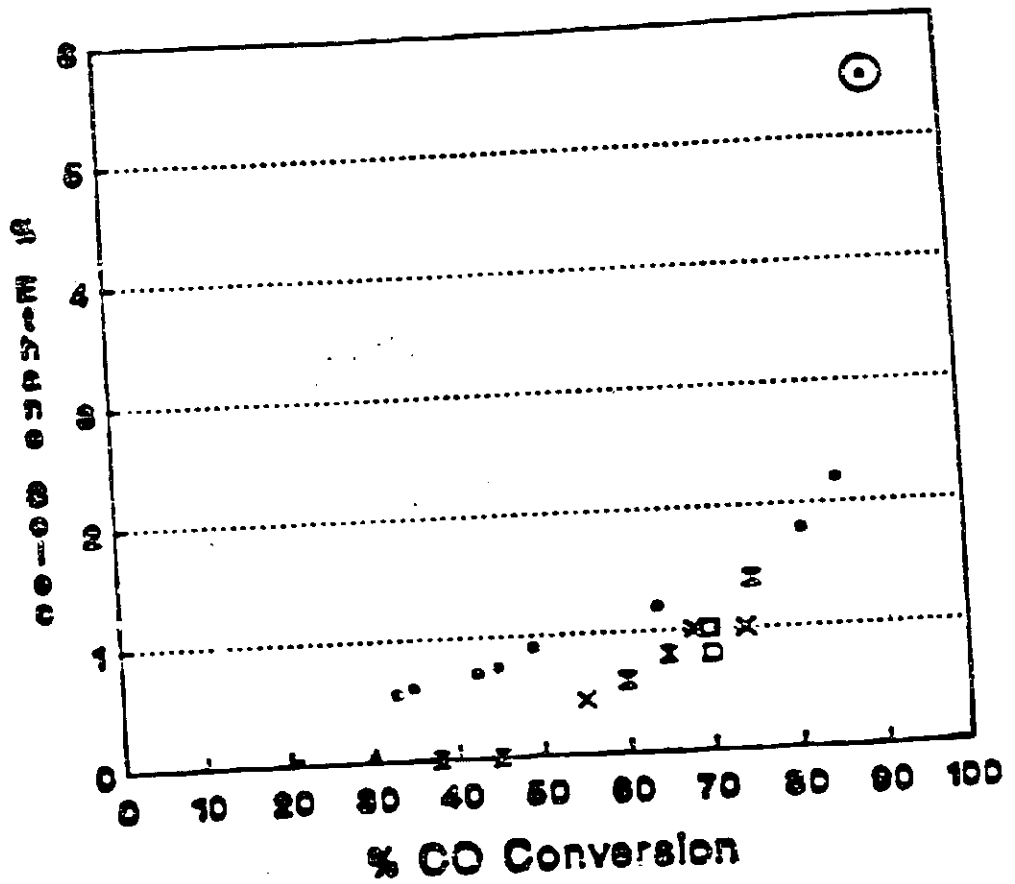
COMPARISON OF CARBON MONOXIDE ACTIVATION
TO
SYNTHESIS GAS ACTIVATION



⊙ CO ACTIVATION, KL @ START, 265° C, 2.4 K

FIGURE 161

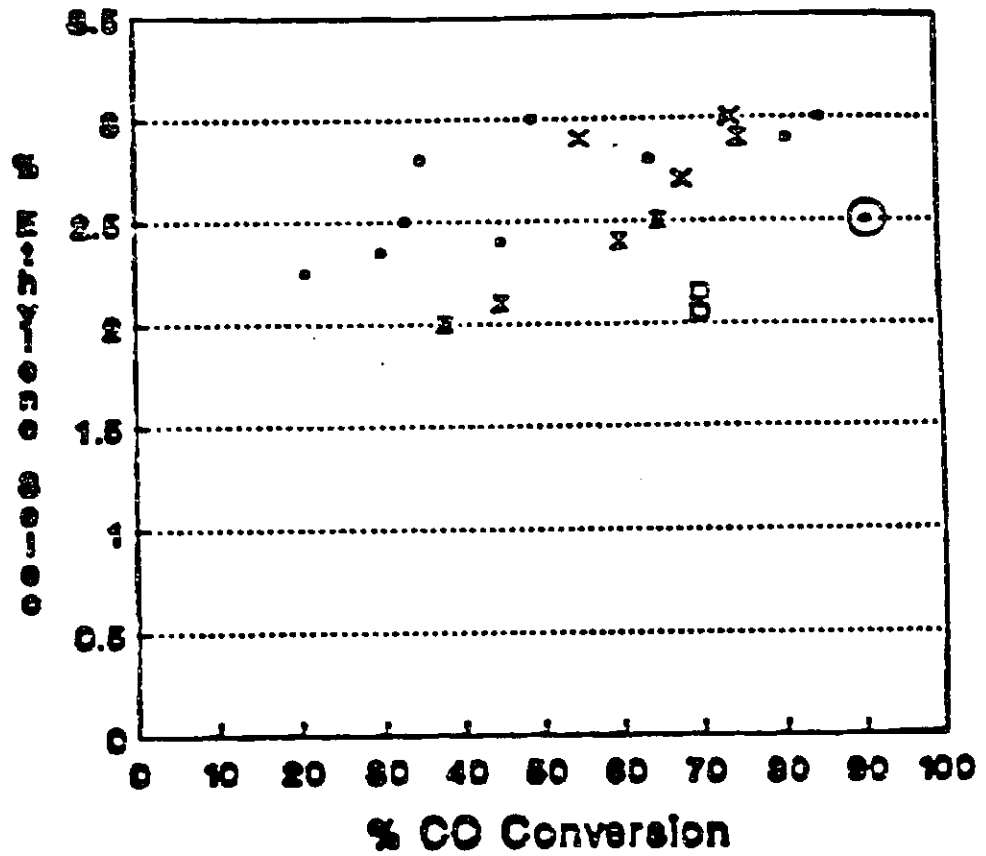
COMPARISON OF CARBON MONOXIDE ACTIVATION
TO
SYNTHESIS GAS ACTIVATION



⊙ CO ACTIVATION, KL ⊙ START, 265° C, 2.4 K

FIGURE 162

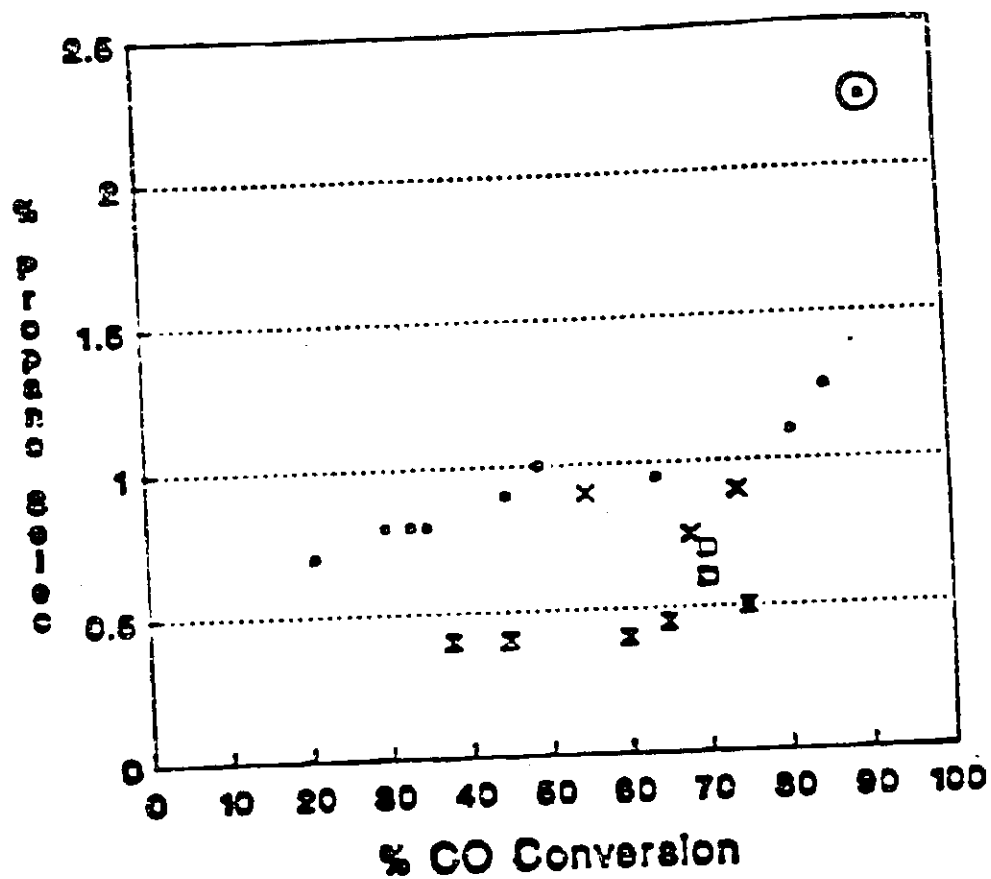
COMPARISON OF CARBON MONOXIDE ACTIVATION
TO
SYNTHESIS GAS ACTIVATION



⊙ CO ACTIVATION, KL @ START, 265° C, 2.4 K

FIGURE 163

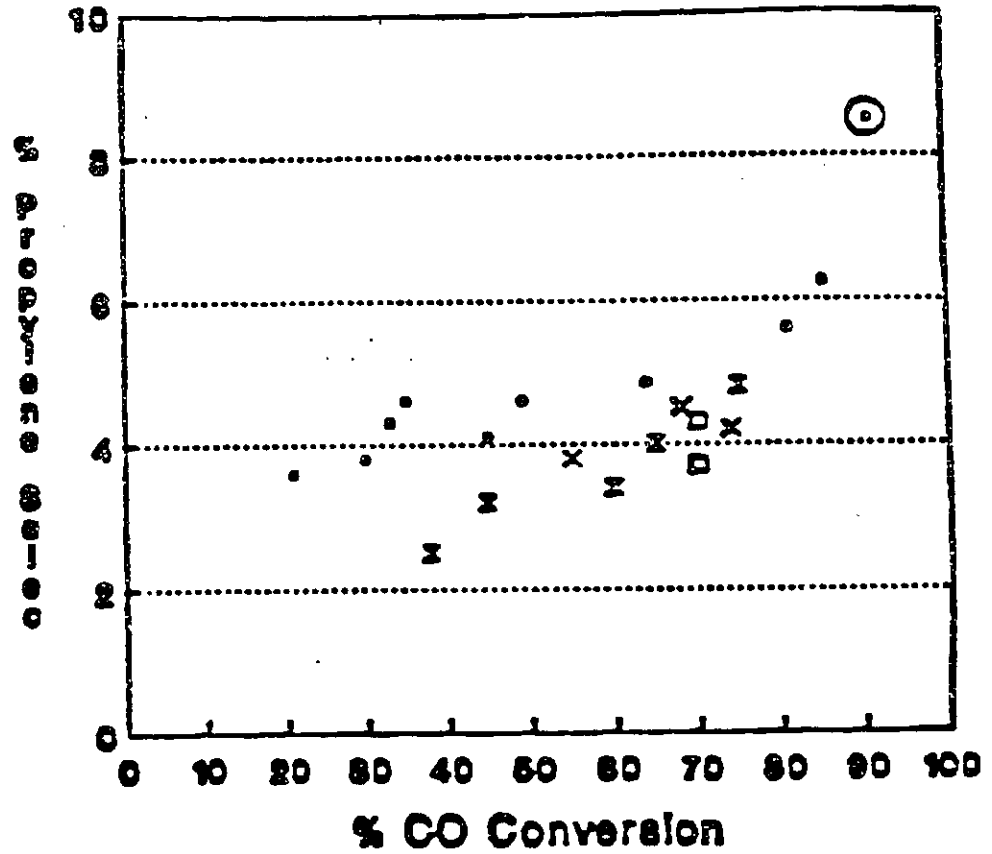
COMPARISON OF CARBON MONOXIDE ACTIVATION
TO
SYNTHESIS GAS ACTIVATION



⊙ CO ACTIVATION, KL @ START, 265° C, 2.4 K

FIGURE 164

COMPARISON OF CARBON MONOXIDE ACTIVATION
TO
SYNTHESIS GAS ACTIVATION



⊙ CO ACTIVATION, KL @ START, 265° C, 2.4 K