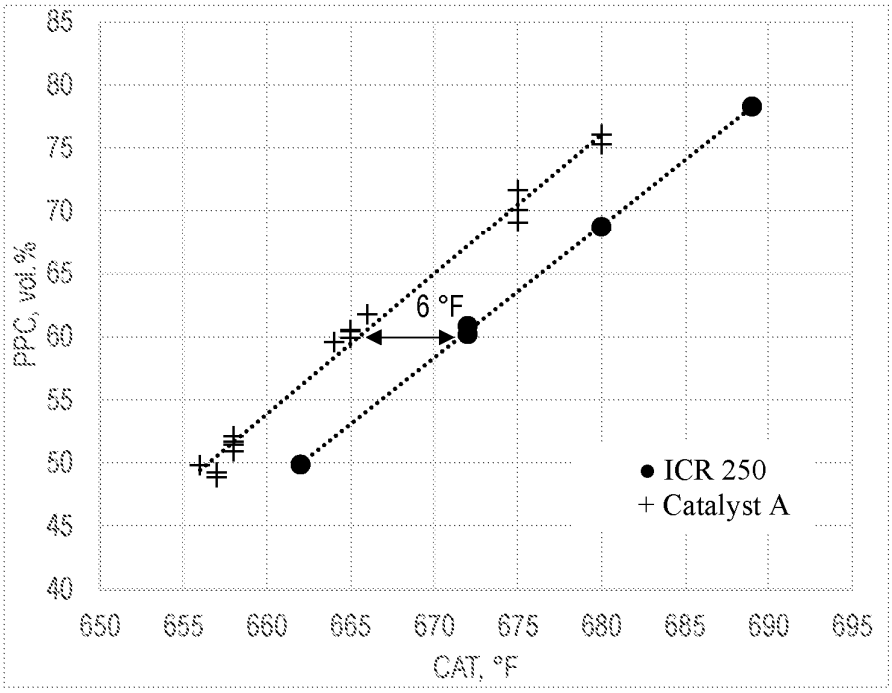

85
80
75
70
65
60
55
50
45
40
PPC, vol.%
6 °F
650
655
660
665
670
675
680
685
690
695
CAT, °F
● ICR 250
+ Catalyst A

FIG. 1

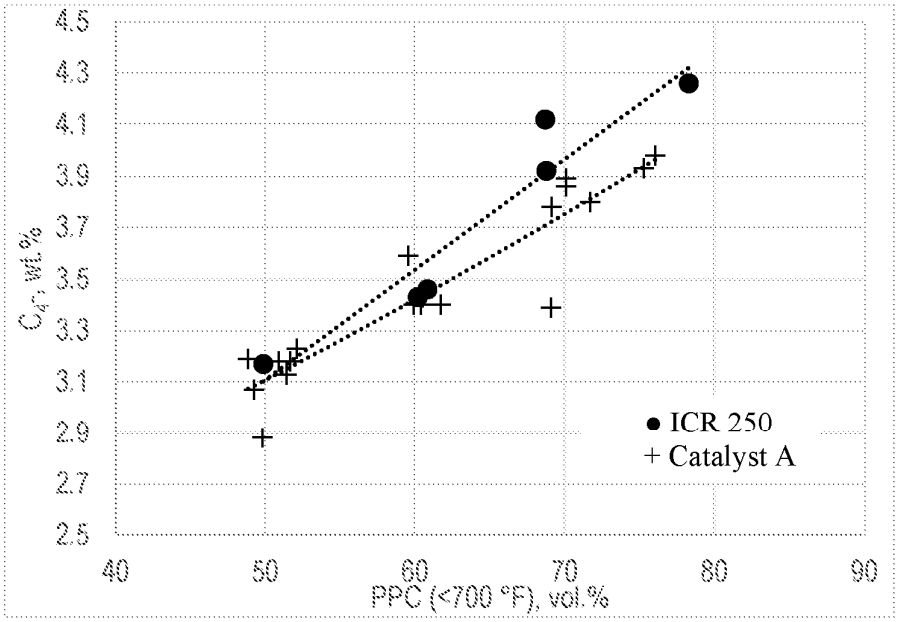

4.5
4.3
4.1
3.9
3.7
3.5
3.3
3.1
2.9
2.7
2.5
C4, wt.%
40
50
60
70
80
90
PPC (<700 °F), vol.%
● ICR 250
+ Catalyst A

FIG. 2

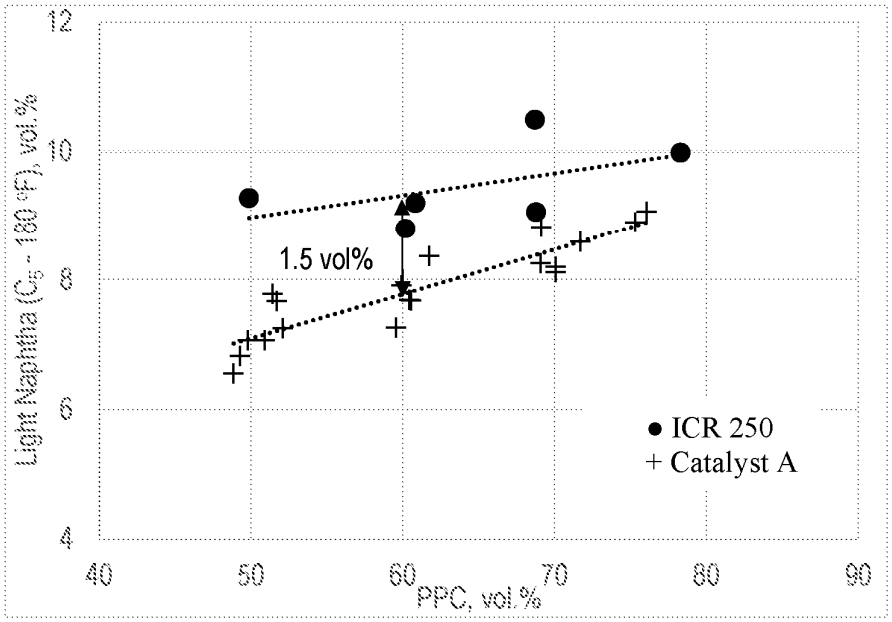

Light Naphtha (C5 - 180 °F), vol.%
12
10
8
6
4
40
50
60
70
80
90
PPC, vol.%
1.5 vol%
● ICR 250
+ Catalyst A

FIG. 3

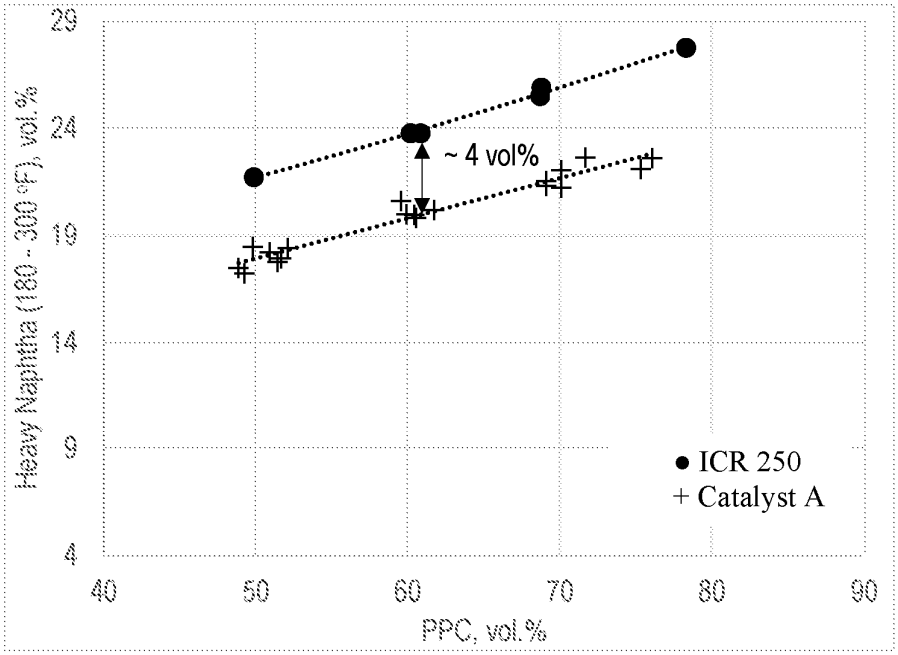

Heavy Naphtha (180 - 300 °F), vol.%
29
24
19
14
9
4
40
50
60
70
80
90
PPC, vol.%
~ 4 vol%
● ICR 250
+ Catalyst A

FIG. 4

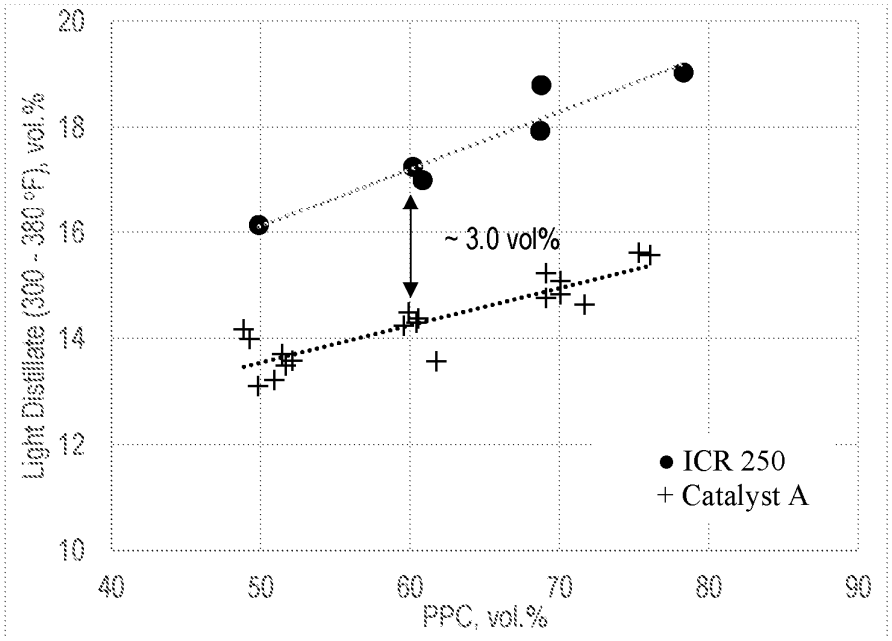

Light Distillate (300 - 380 °F), vol.%
20
18
16
14
12
10
40
50
60
70
80
90
PPC, vol.%
~ 3.0 vol%
● ICR 250
+ Catalyst A

FIG. 5

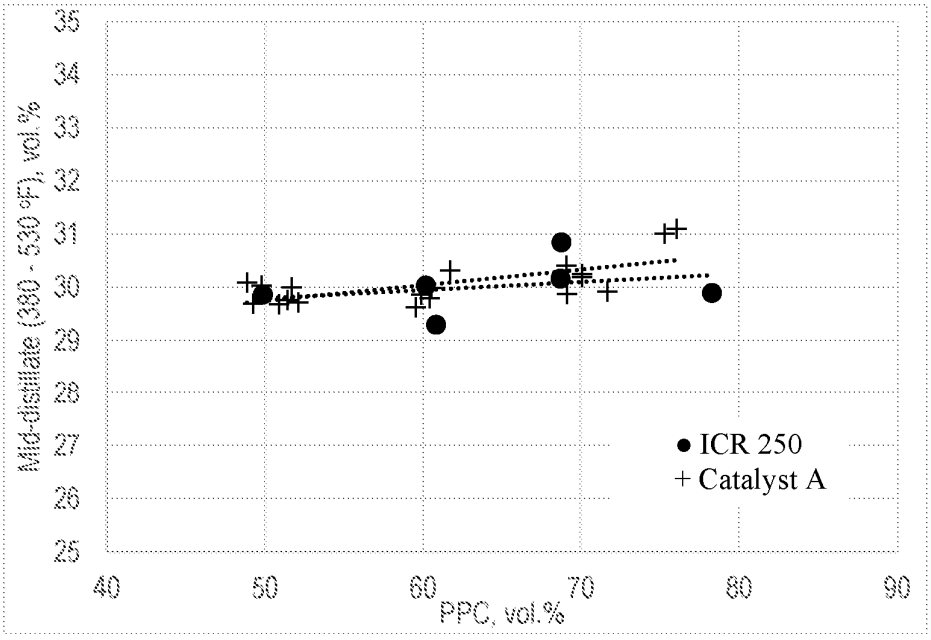

Mid-distillate (380 - 530 °F), vol.%
35
34
33
32
31
30
29
28
27
26
25
40
50
60
70
80
90
PPC, vol.%
● ICR 250
+ Catalyst A

FIG. 6

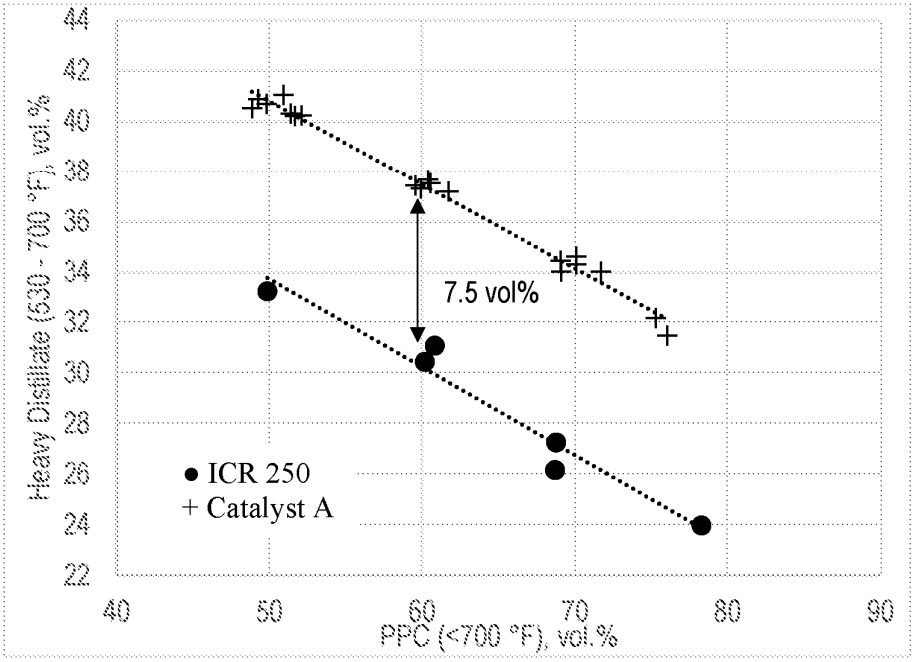

Heavy Distillate (630 - 700 °F), vol.%
PPC (<700 °F), vol.%
7.5 vol%
● ICR 250
+ Catalyst A
44
42
40
38
36
34
32
30
28
26
24
22
40
50
60
70
80
90

FIG. 7

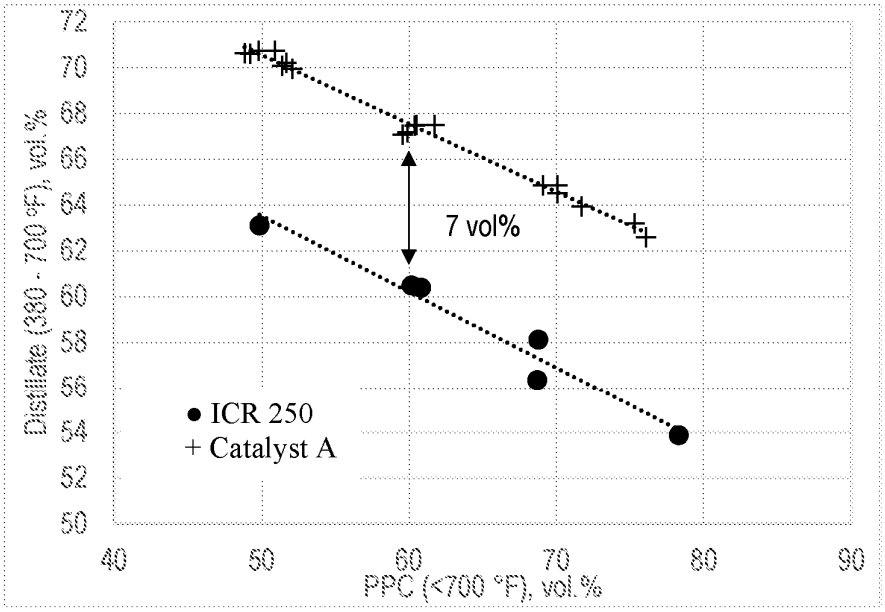

Distillate (380 - 700 °F), vol.%
PPC (<700 °F), vol.%
7 vol%
● ICR 250
+ Catalyst A
72
70
68
66
64
62
60
58
56
54
52
50
40
50
60
70
80
90

FIG. 8

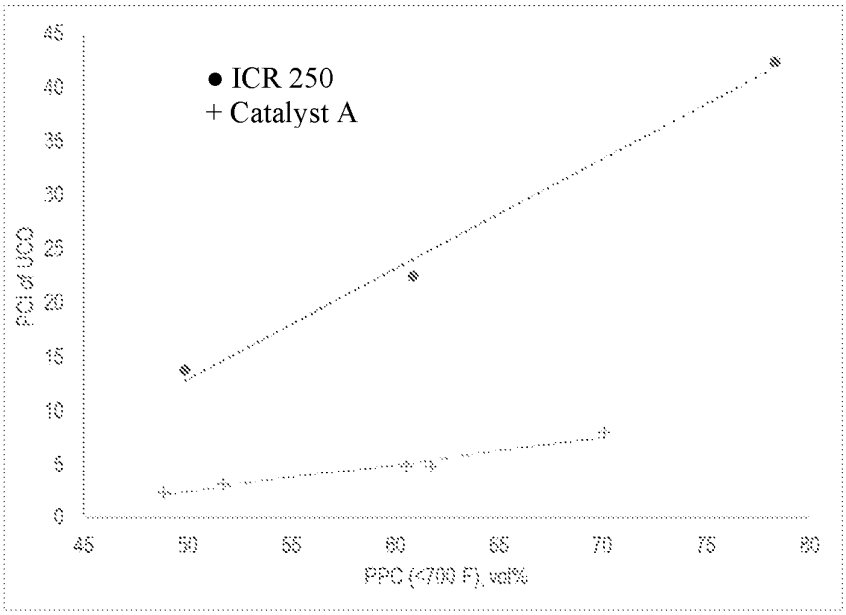

● ICR 250
+ Catalyst A
45
40
35
30
25
20
15
10
5
0
45
50
55
60
65
70
75
80
PPC (<700 F), wt%

FIG. 9

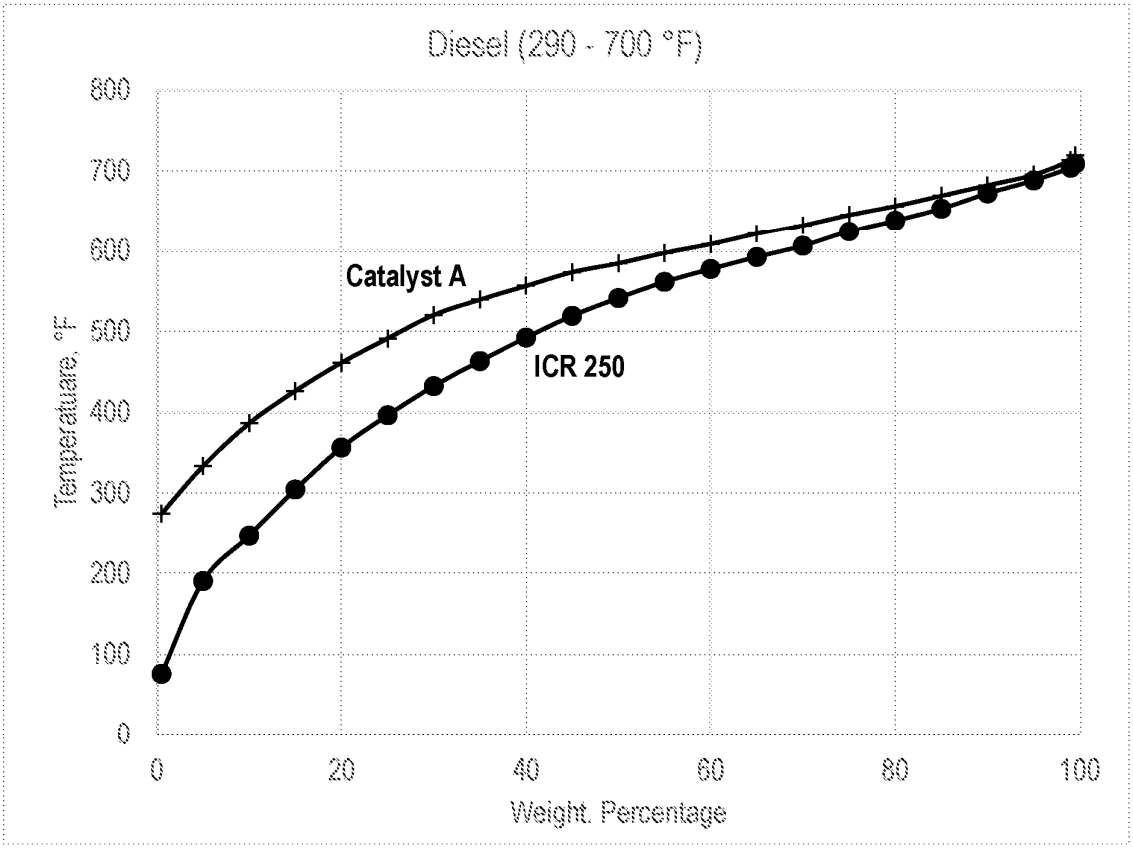

Diesel (290 - 700 °F)
Temperature, °F
800
700
600
500
400
300
200
100
0
Catalyst A
ICR 250
0
20
40
60
80
100
Weight. Percentage

FIG. 10