

# **SEAUPG Evaluation of MSCR Recovery as a Replacement for PG Plus Tests**

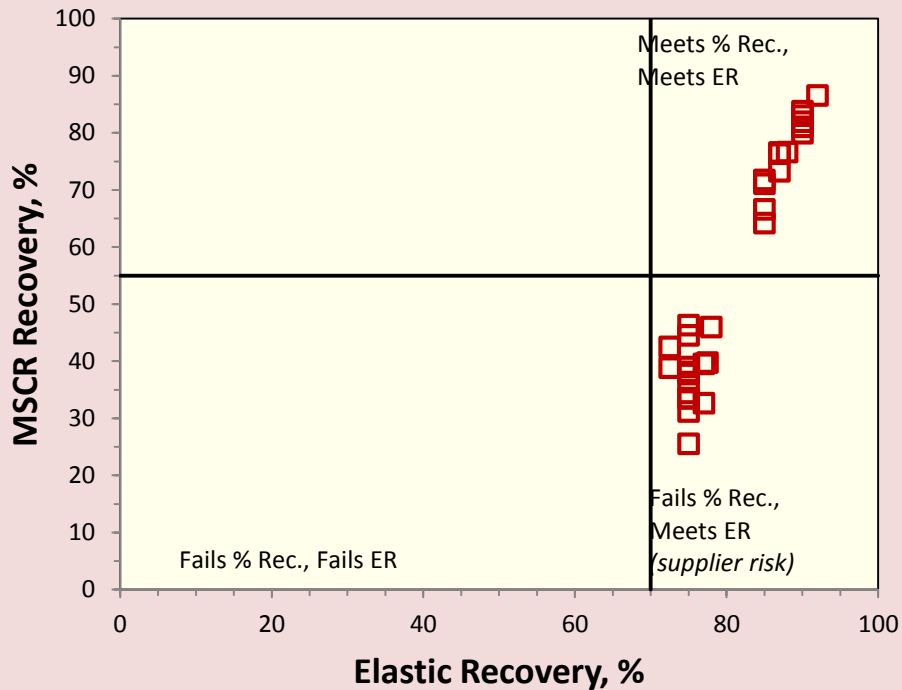
Mike Anderson, Asphalt Institute

November 2012

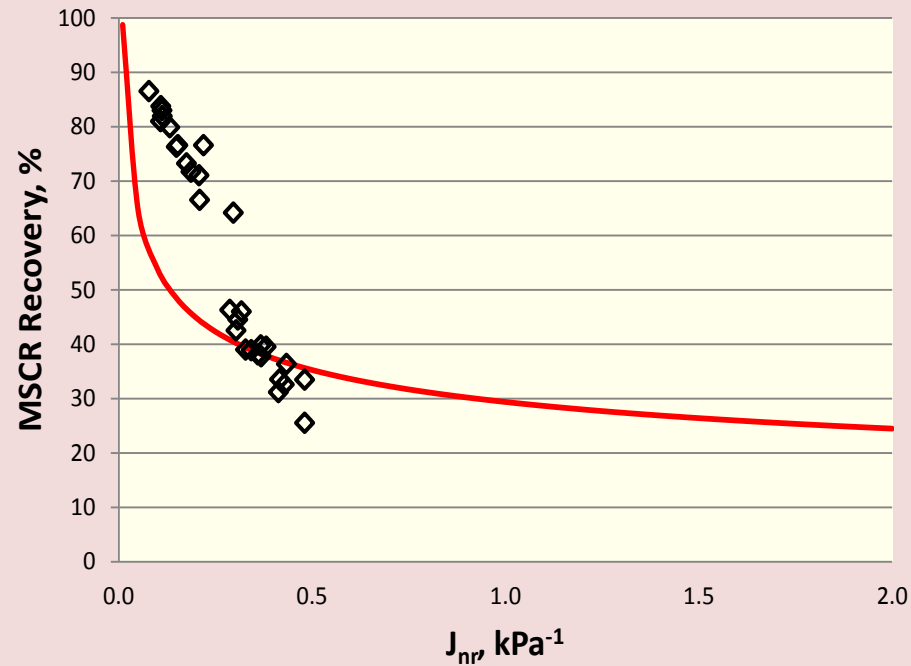


# User 1: All PG 76-22 Binders

### MSCR Recovery vs. ER PG 76-22



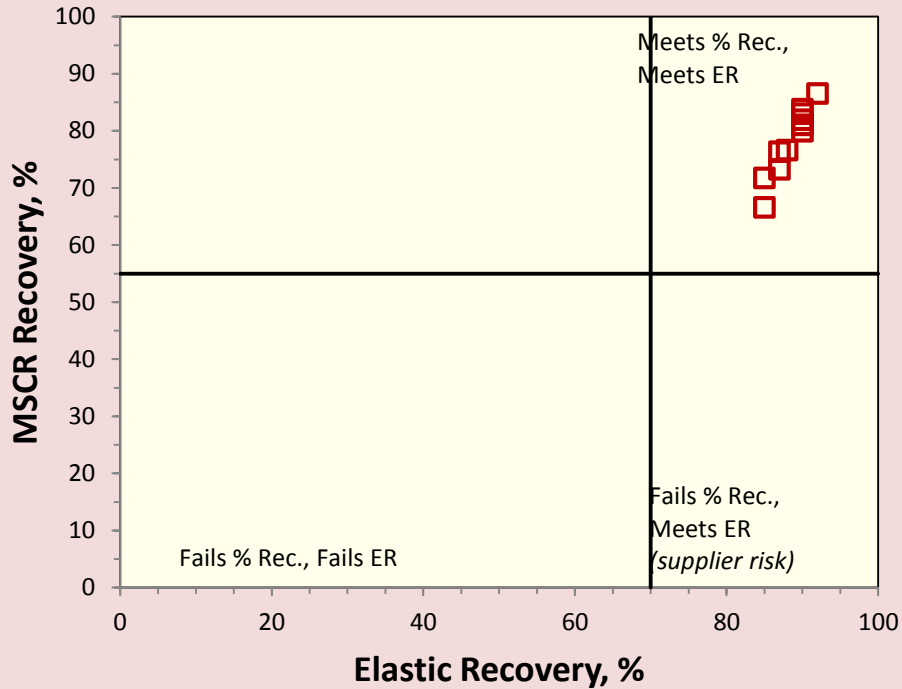
### AASHTO TP 70 MSCR % Recovery PG 76-22



# User 1 Source 1

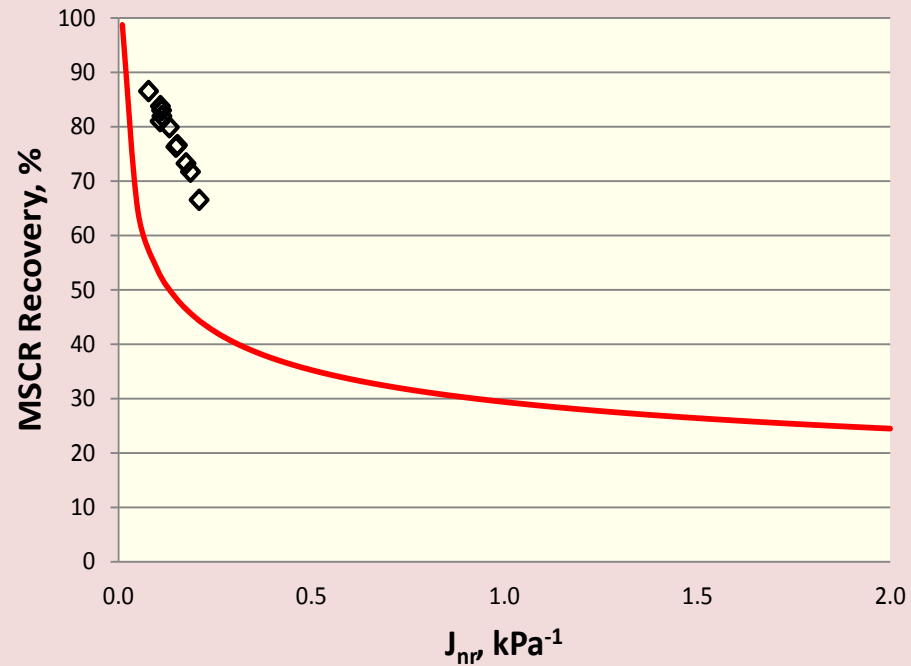
### MSCR Recovery vs. ER

PG 76-22



### AASHTO TP 70 MSCR % Recovery

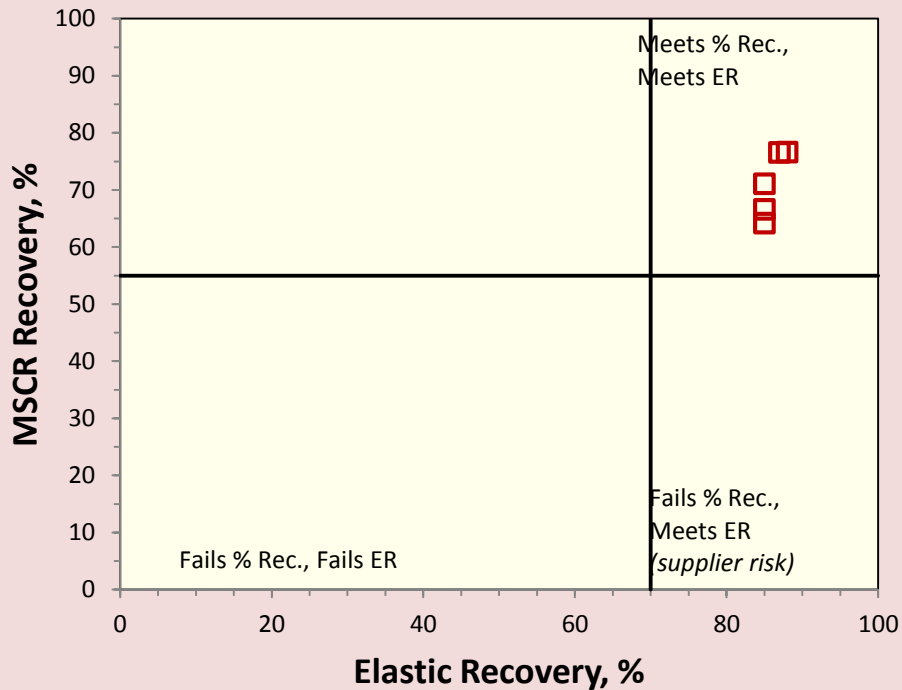
PG 76-22



# User 1 Source 2

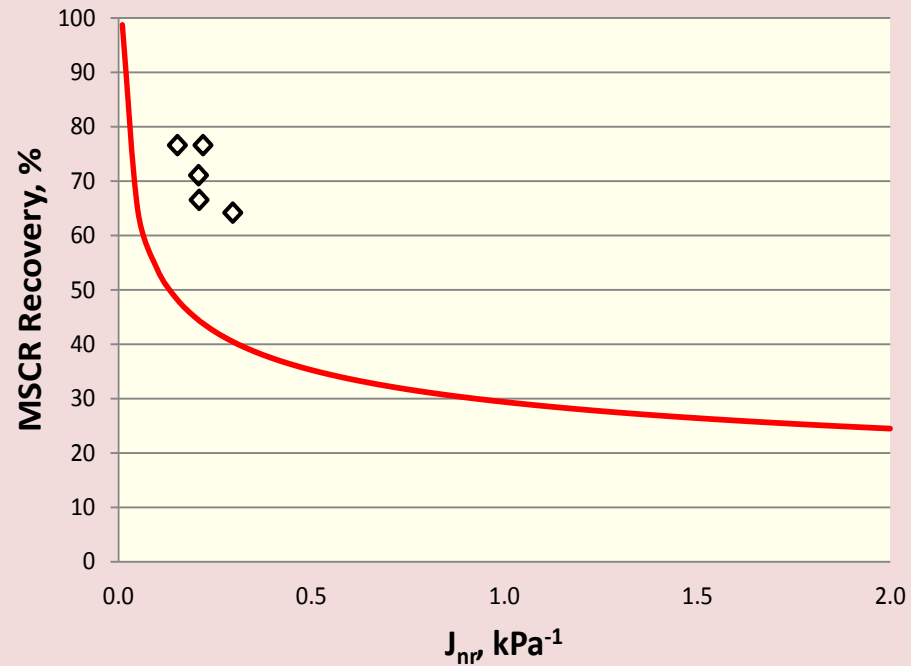
### MSCR Recovery vs. ER

PG 76-22



### AASHTO TP 70 MSCR % Recovery

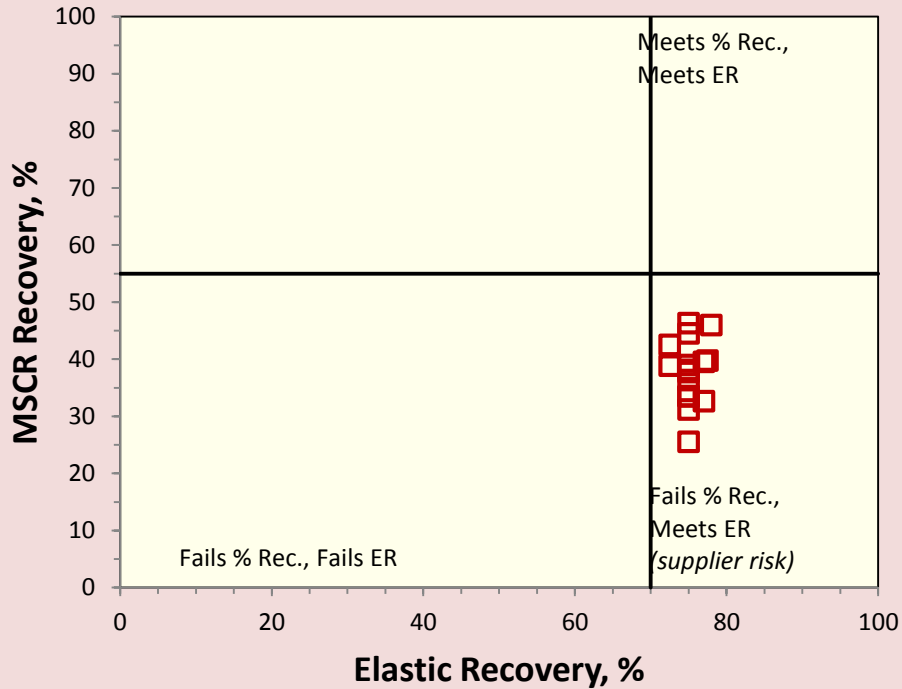
PG 76-22



# User 1 Source 3

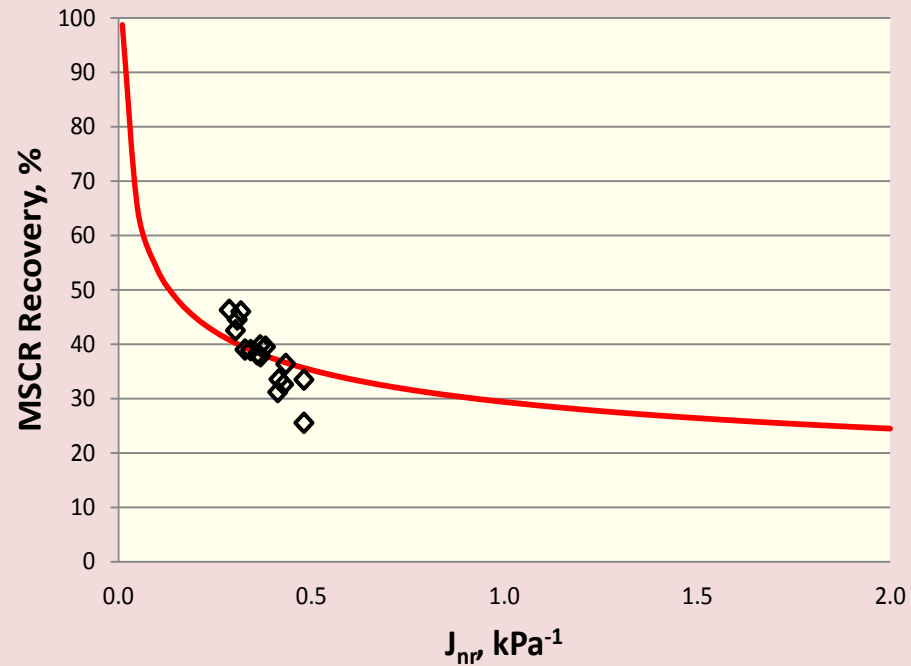
### MSCR Recovery vs. ER

PG 76-22



### AASHTO TP 70 MSCR % Recovery

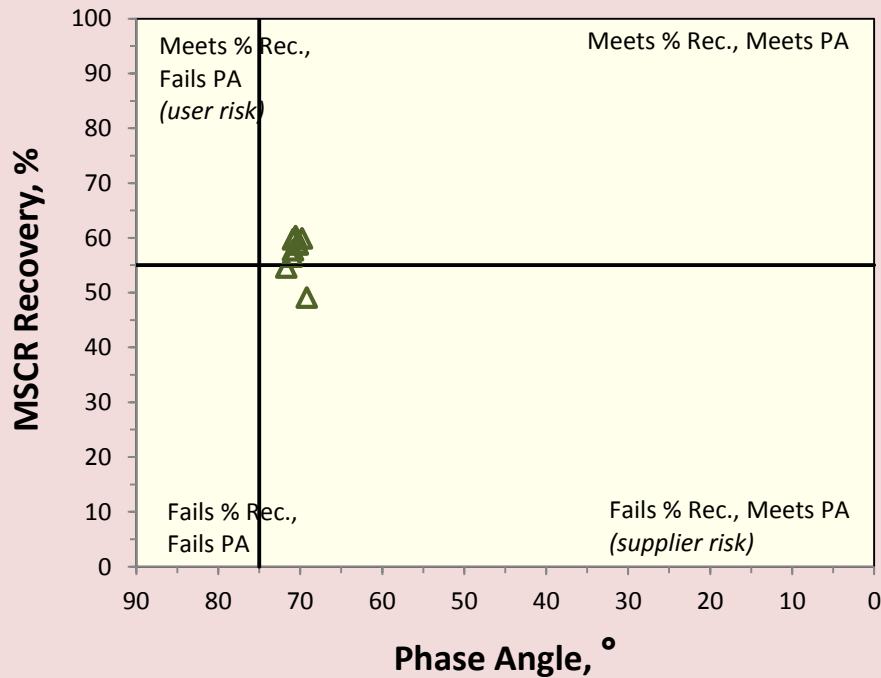
PG 76-22



# Industry 1 Source 1

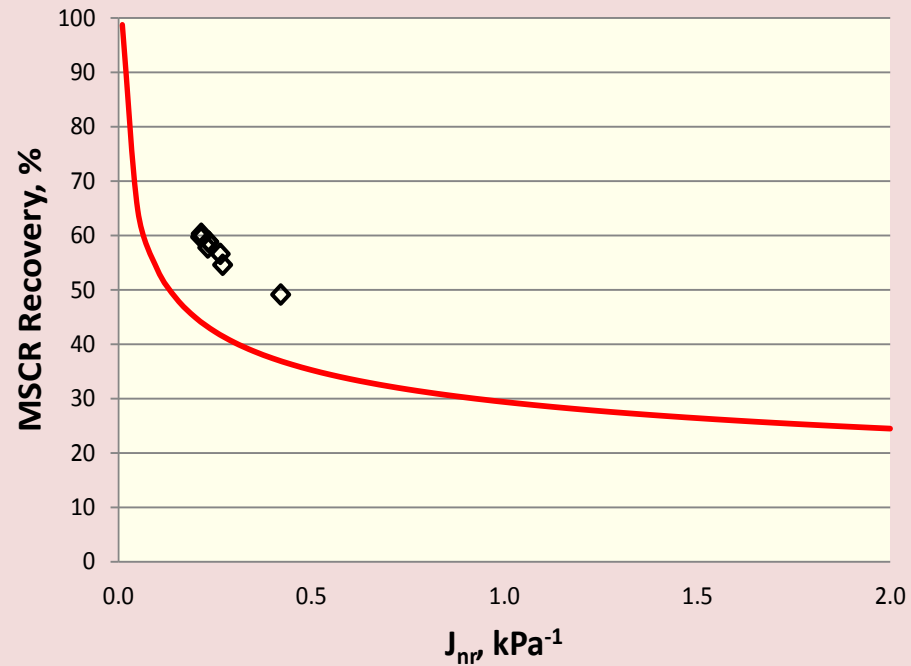
## MSCR Recovery vs. Phase Angle

PG 76-22



## AASHTO TP 70 MSCR % Recovery

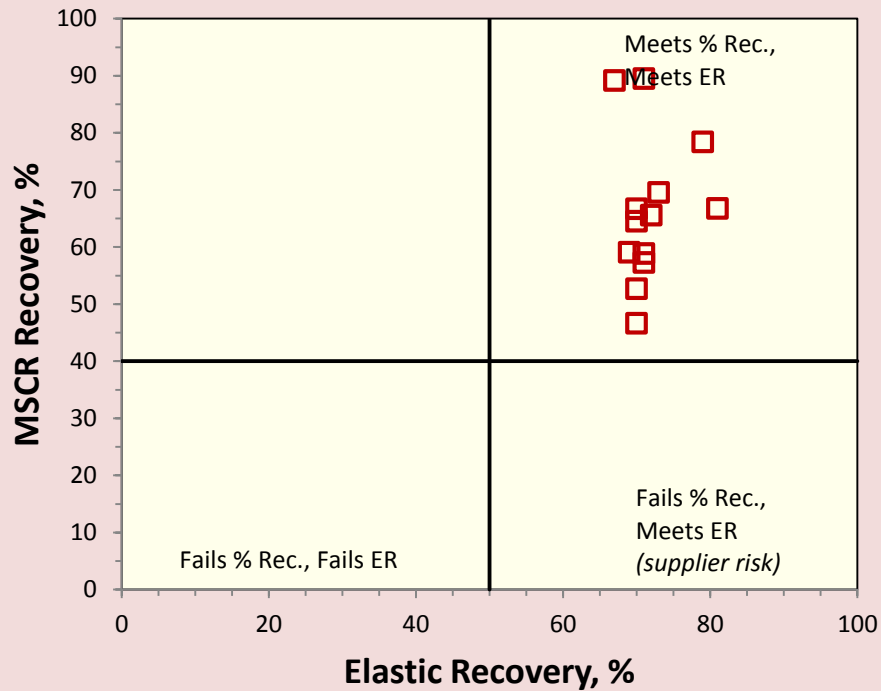
PG 76-22



# User 2

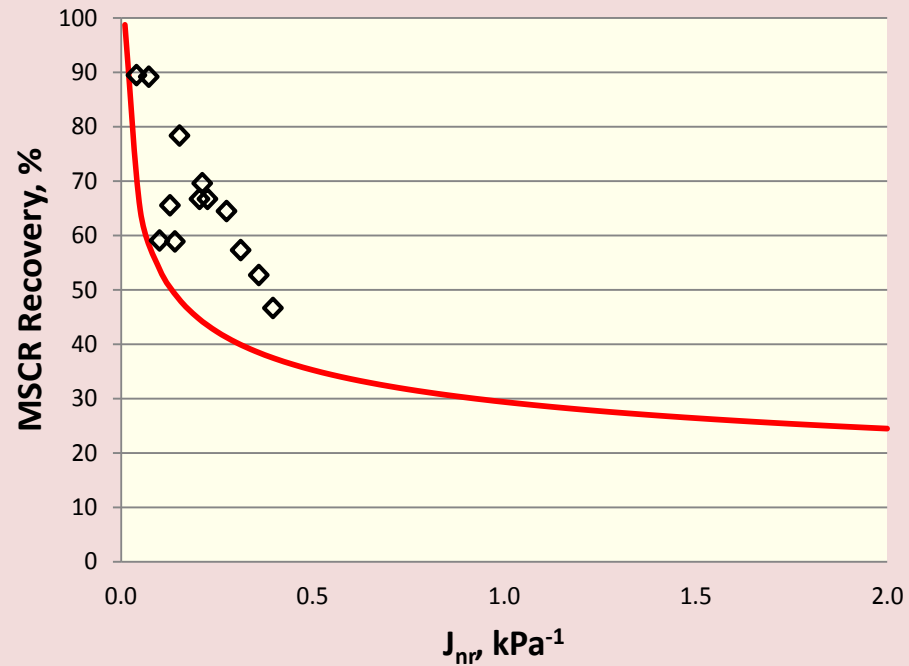
## MSCR Recovery vs. ER

PG 76-22



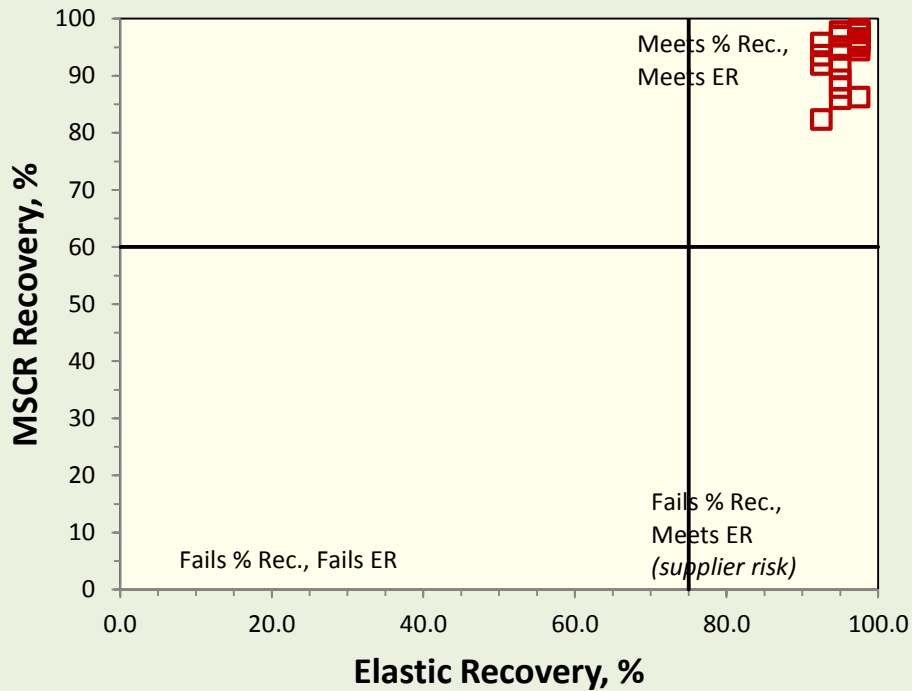
## AASHTO TP 70 MSCR % Recovery

PG 76-22

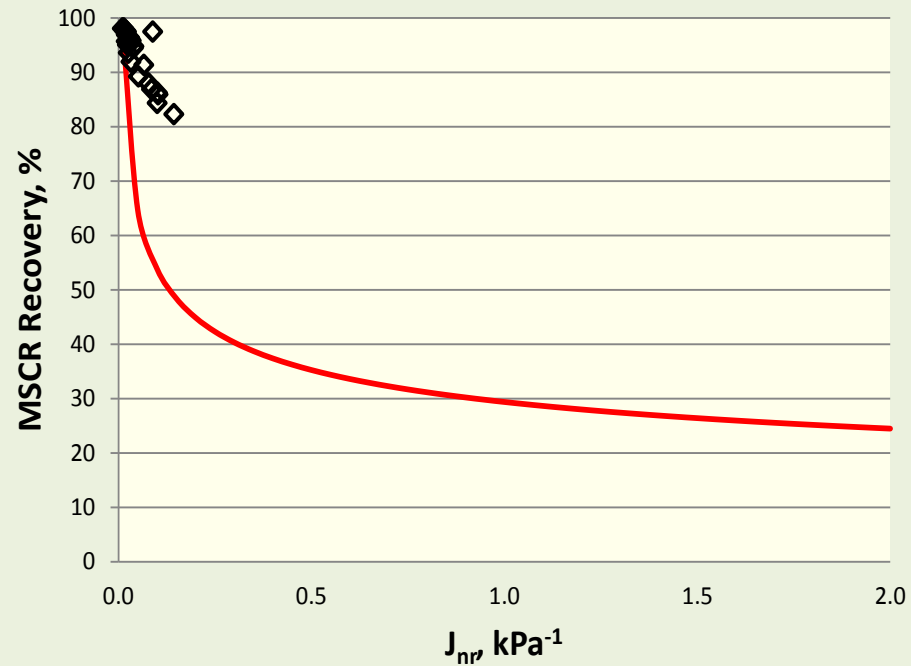


# User 3: PG 76-28 (Four Sources)

### MSCR Recovery vs. ER PG 76-28



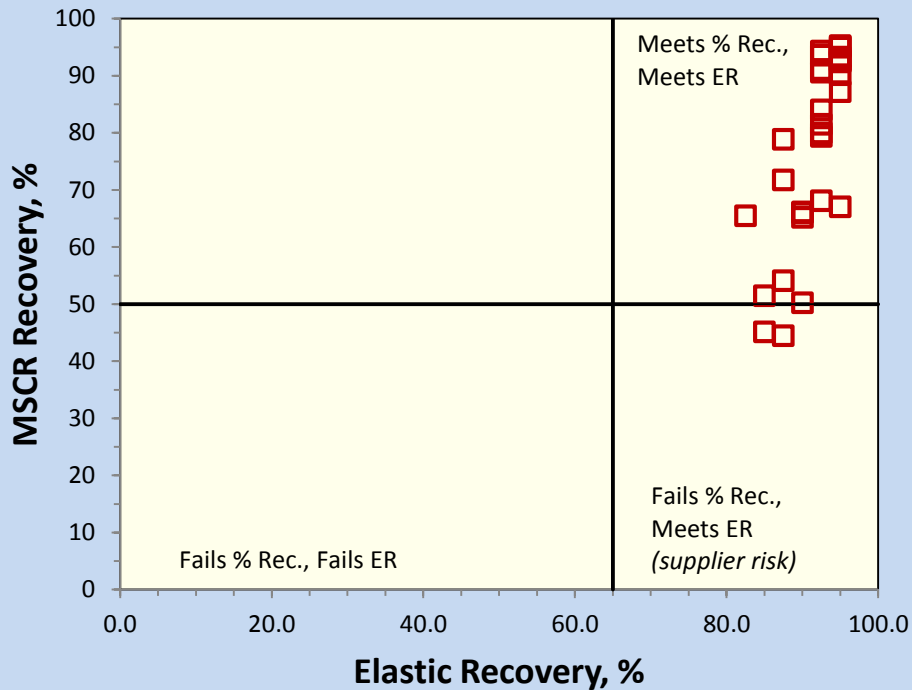
### AASHTO TP 70 MSCR % Recovery PG 76-28



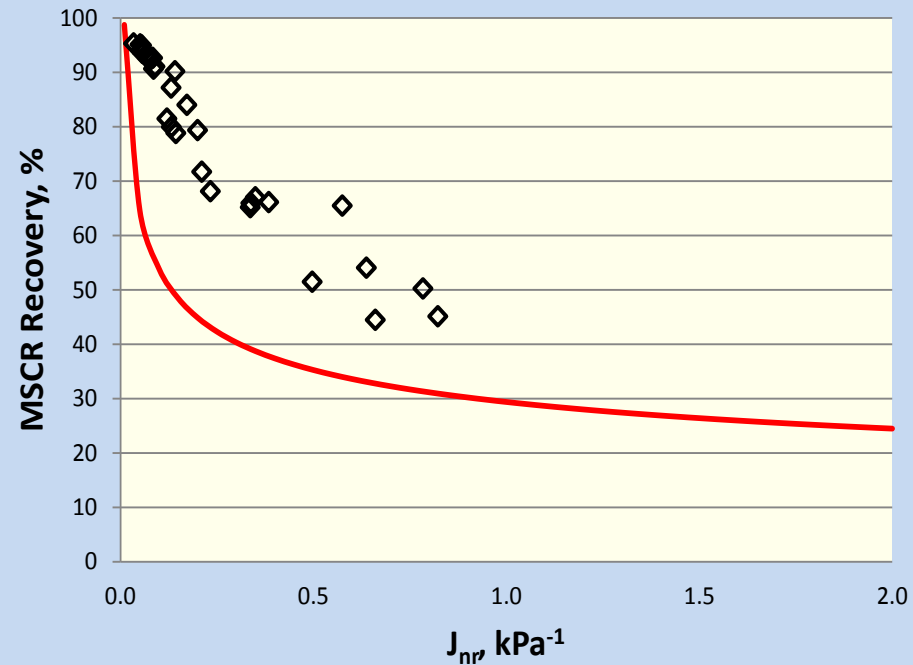


# User 3: PG 70-28 (Five Sources)

### MSCR Recovery vs. ER PG 70-28

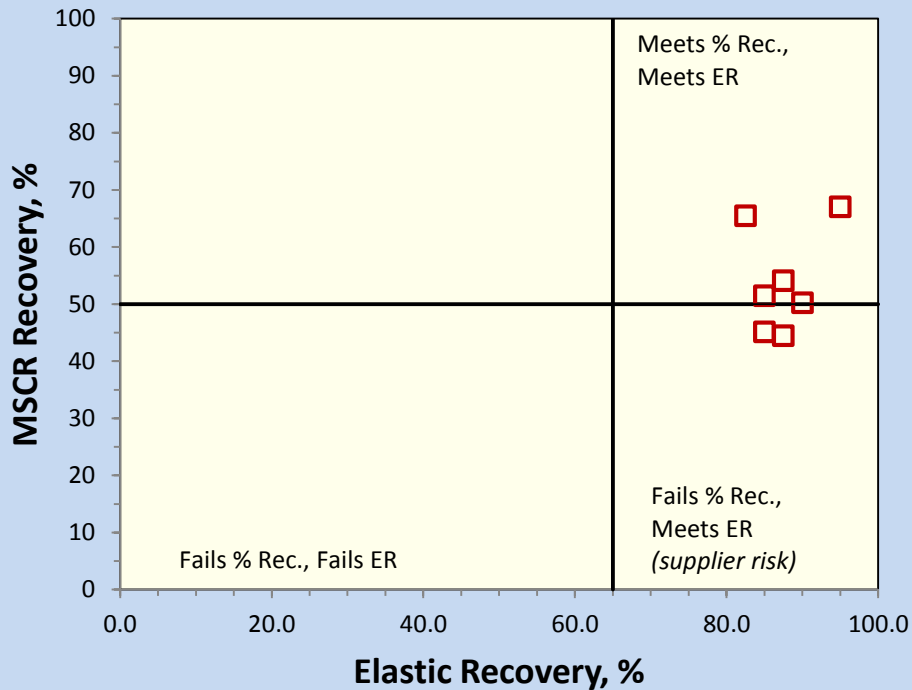


### AASHTO TP 70 MSCR % Recovery PG 70-28

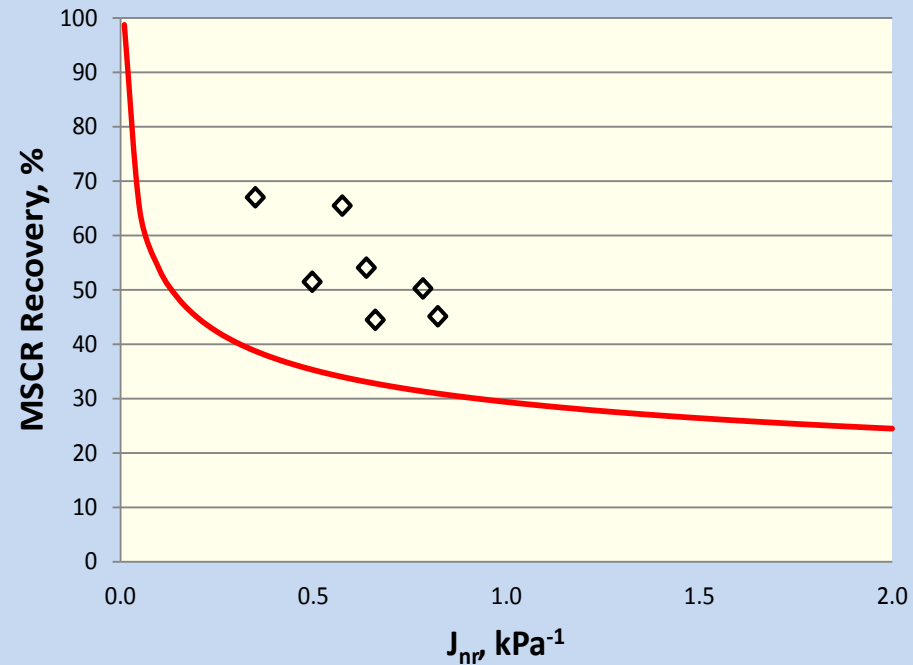


# User 3: PG 70-28 (1 Source)

### MSCR Recovery vs. ER PG 70-28



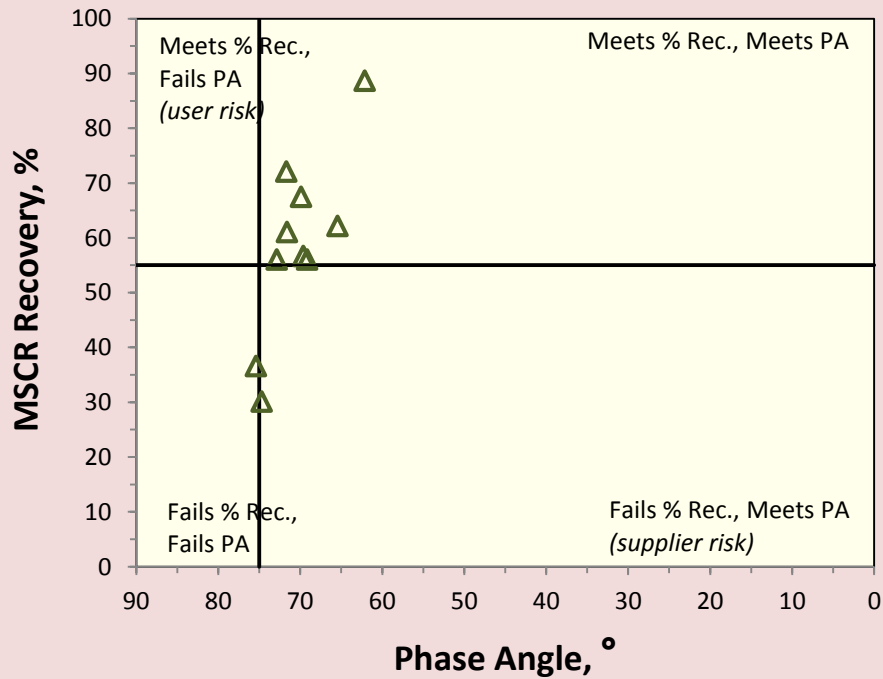
### AASHTO TP 70 MSCR % Recovery PG 70-28



# User 4

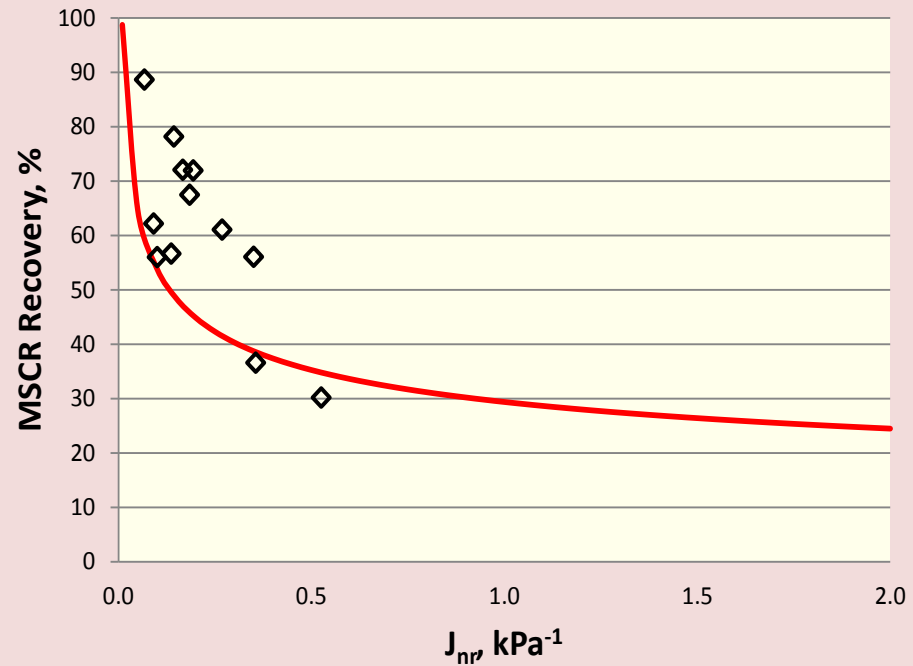
## MSCR Recovery vs. Phase Angle

PG 76-22



## AASHTO TP 70 MSCR % Recovery

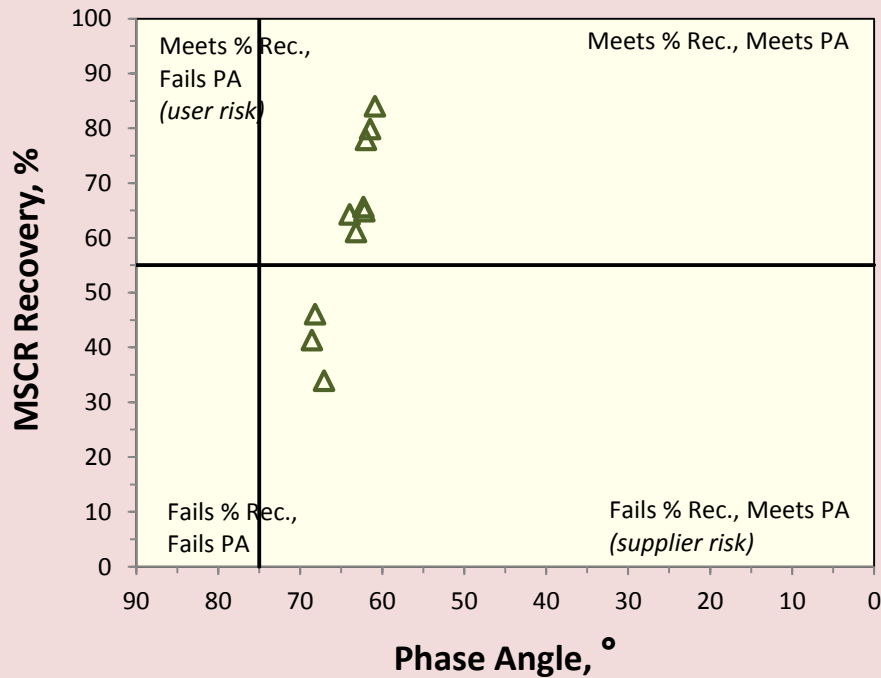
PG 76-22



# User 5: PG 76-22

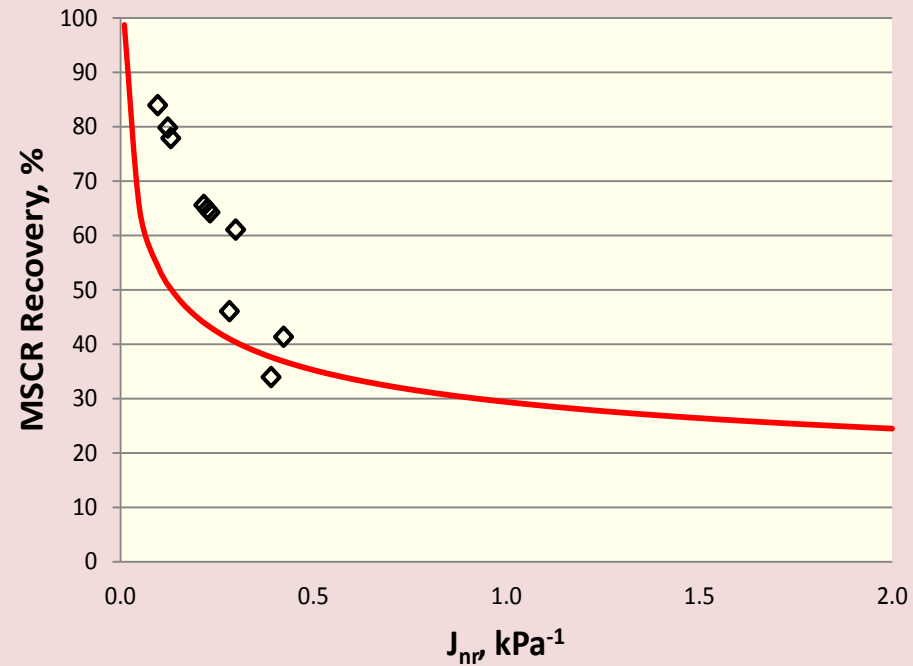
## MSCR Recovery vs. Phase Angle

PG 76-22



## AASHTO TP 70 MSCR % Recovery

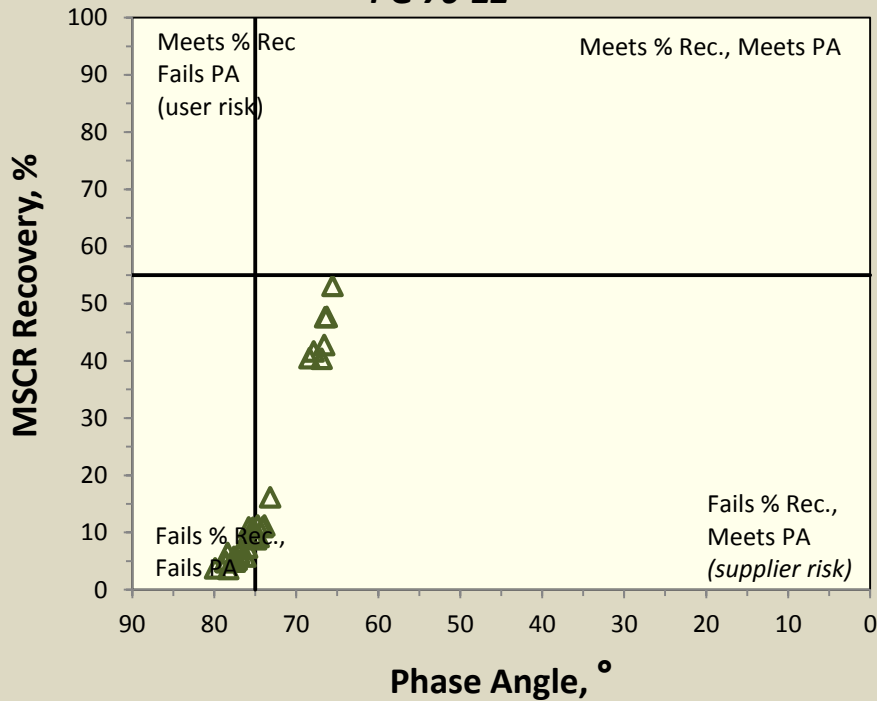
PG 76-22



# User 5: PG 70-22

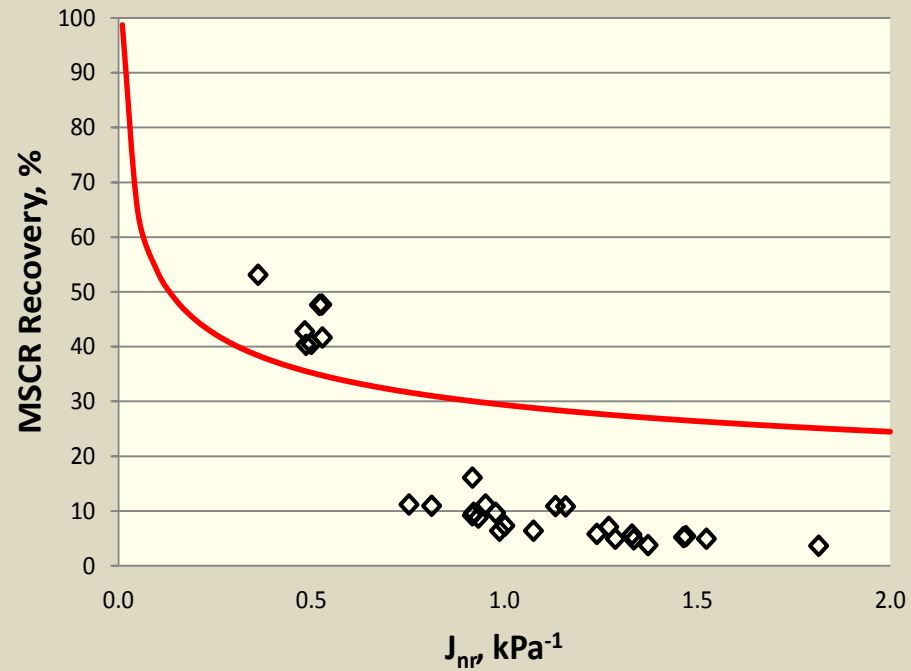
## MSCR Recovery vs. Phase Angle

PG 70-22



## AASHTO TP 70 MSCR % Recovery

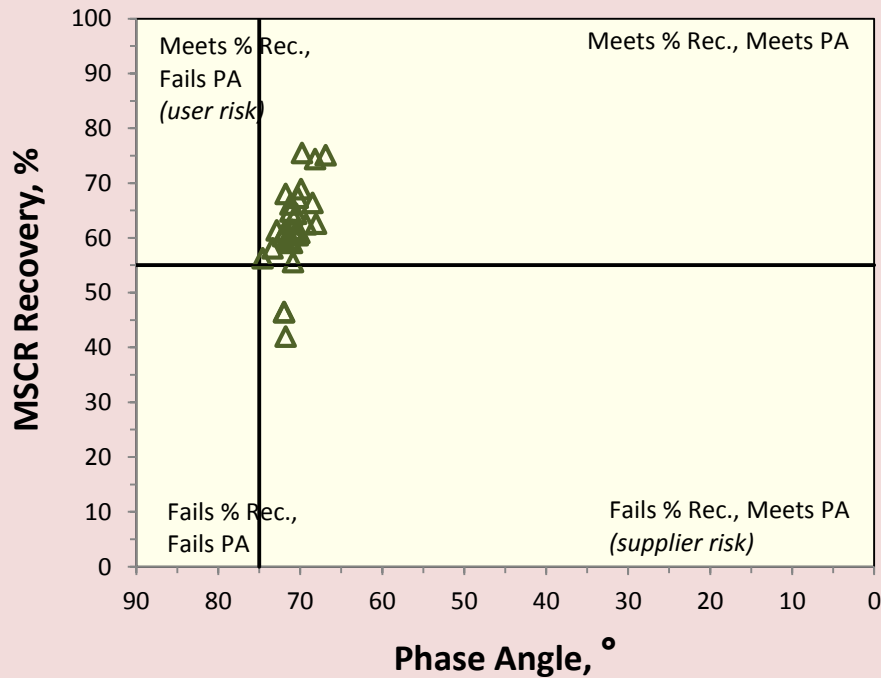
PG 70-22



# User 6

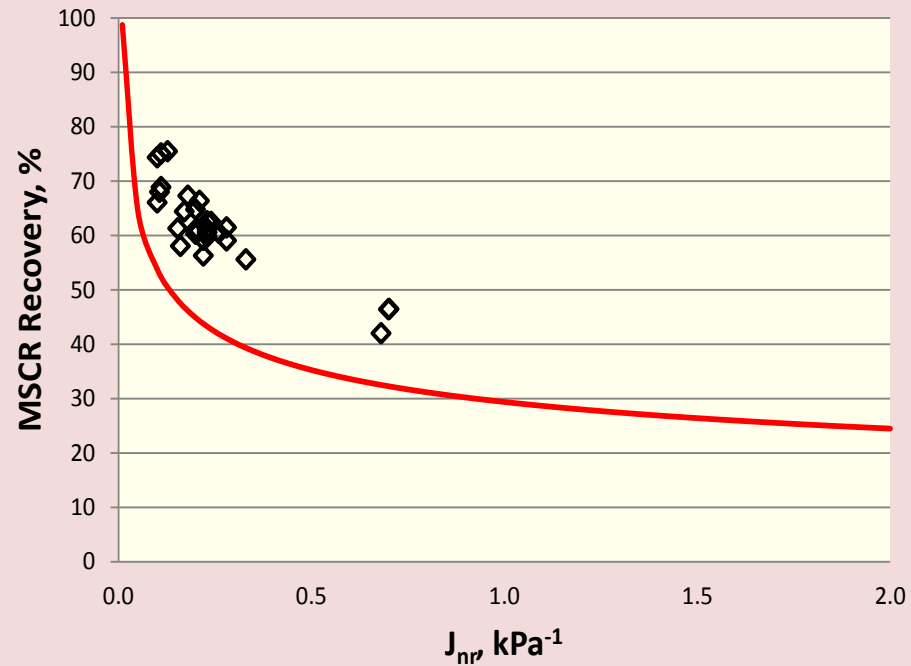
## MSCR Recovery vs. Phase Angle

PG 76-22



## AASHTO TP 70 MSCR % Recovery

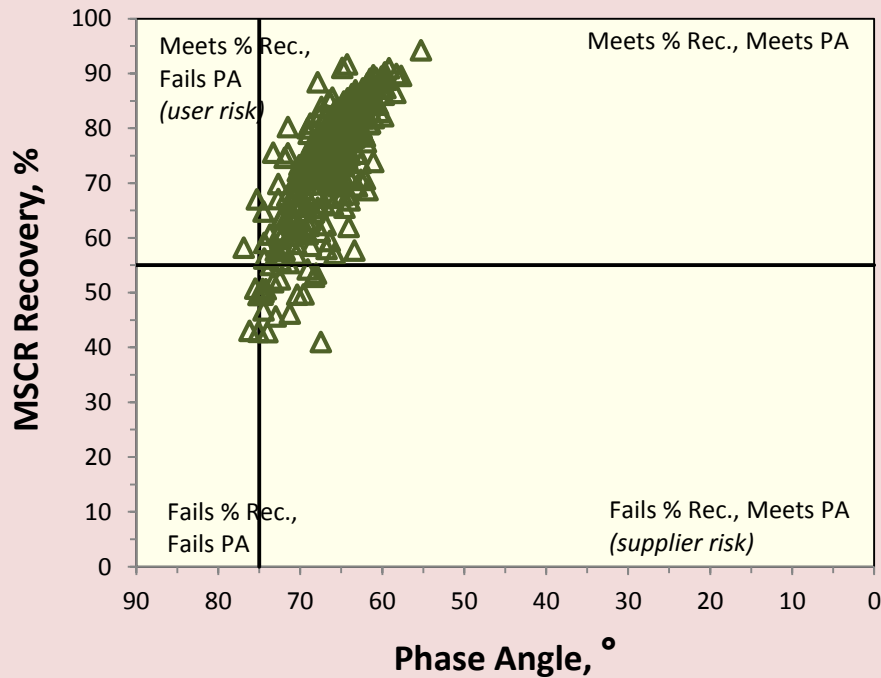
PG 76-22



# Industry 2: PG 76-22

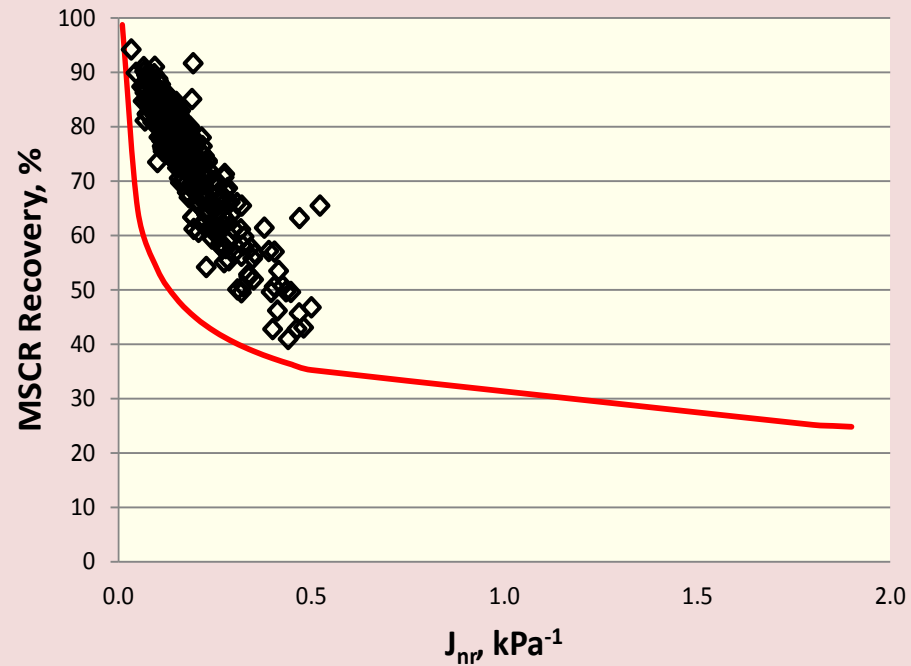
## MSCR Recovery vs. Phase Angle

PG 76-22



## AASHTO TP 70 MSCR % Recovery

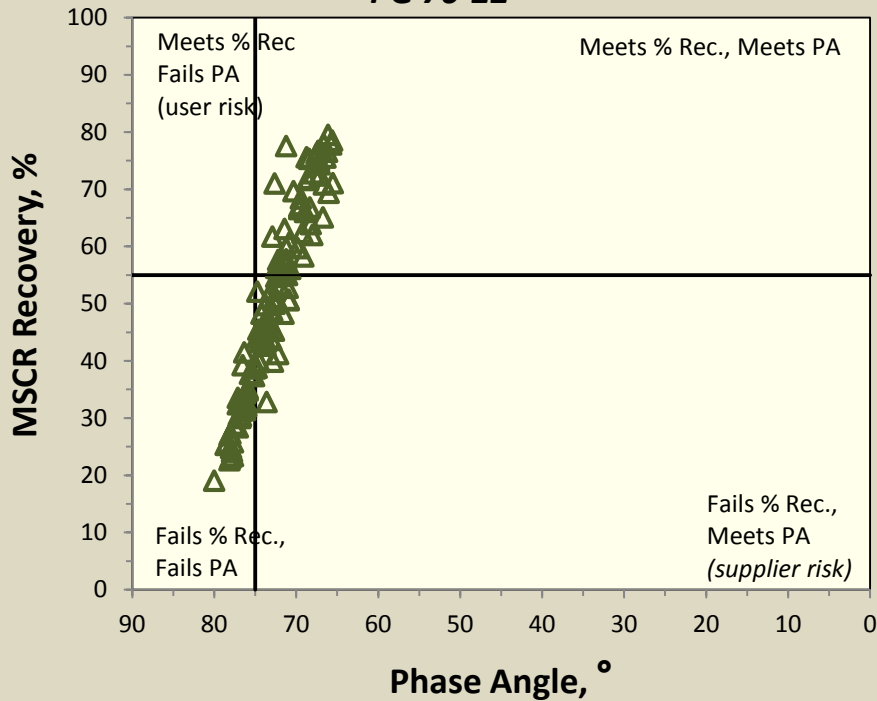
PG 76-22



# Industry 2: PG 70-22

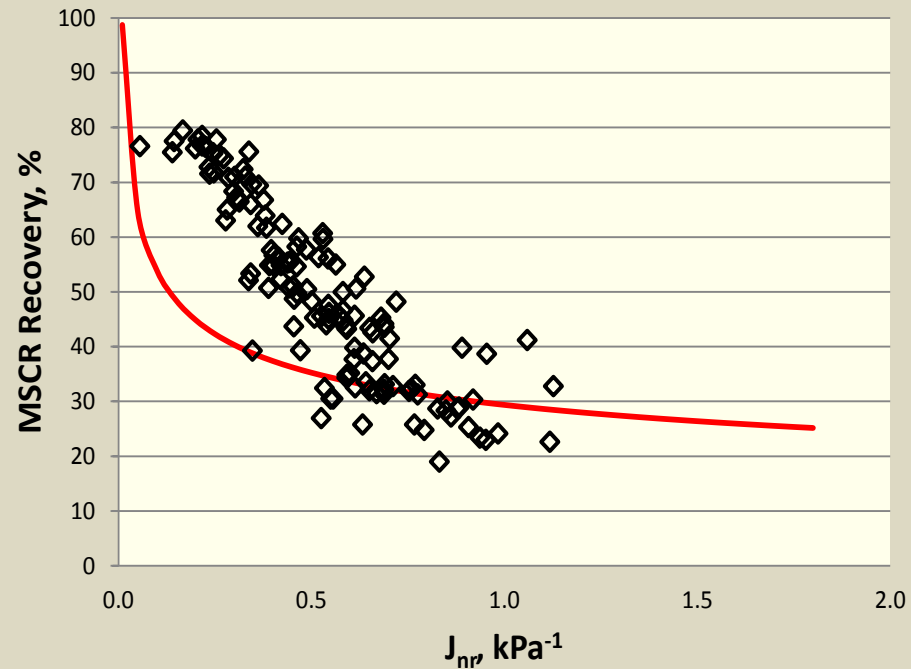
## MSCR Recovery vs. Phase Angle

PG 70-22



## AASHTO TP 70 MSCR % Recovery

PG 70-22





***Thanks!***

