Data

- Data from 2009 to 2016
- Plotted from reported data
- Color of data represents different years and different suppliers
- Some binders tested at 6 °C lower (grade bumping issue)
PG 58-34 (PG 58S-34) Elastic Response

- Extremely Heavy: 0.5
- Very Heavy: 1.0
- Heavy: 2.0
- Standard: 4.0

% Recovery vs. Jn3.2 (kPa⁻¹)

- Passing % Recovery
- Failing % Recovery

Graph showing the relationship between % Recovery and Jn3.2 for different traffic conditions.
PG 58-34 (PG 58S-34) $J_{nrdiff}$

Spec: % Difference $\leq 75$

- Extremely Heavy: 0.5
- Very Heavy: 1.0
- Heavy: 2.0
- Standard: 4.0

$J_{nrdiff}$ vs. $J_{n3,2}$ (kPa$^{-1}$)

Supplier 1
PG 64-28 (PG 64S-28) $J_{nr, diff}$

- Extremely Heavy: 0.5
- Very Heavy: 1.0
- Heavy: 2.0
- Standard: 4.0

Spec: % Difference ≤ 75

$J_{nr, diff}$ vs. $J_{nr,2,2}$ (kPa$^{-1}$)

- Supplier 3, Year 1
- Supplier 3, Year 2
- Supplier 6
PG 64-28 (PG 64S-28) Elastic Response @ 58C

% Recovery vs. $J_{nr3.2}$ (kPa$^{-1}$)

- Extremely Heavy: 0.5
- Very Heavy: 1.0
- Heavy: 2.0
- Standard: 4.0

Passing % Recovery

Failing % Recovery

Legend:
- Jnr, Kpa
- Supplier 1, Year 1
- Supplier 1, Year 2
PG 64-34 (PG 64S-34) $J_{\text{nr} \text{diff}}$

- Extremely Heavy: 0.5
- Very Heavy: 1.0
- Heavy: 2.0
- Standard: 4.0

Spec: % Difference ≤ 75

$J_{\text{nr},2}$ (kPa⁻¹)

Supplier 7
PG 70-22 (PG 70S-22) $J_{\text{nr.diff}} @ 58C$

Spec: % Difference ≤ 75
PG 70-28 (PG 70S-28) Elastic Response @ 64C

% Recovery

Extremely Heavy: 0.5
Very Heavy: 1.0
Heavy: 2.0
Standard: 4.0

Passing % Recovery

Failing % Recovery

$J_{nr3.2}$ (kPa$^{-1}$)

Supplier 1

Jnr, Kpa
PG 76-22 (PG 76S-22) $J_{nrdiff}$

Extremely Heavy: 0.5
Very Heavy: 1.0
Heavy: 2.0
Standard: 4.0

Spec: % Difference ≤ 75

$J_{nrdiff}$ vs $J_{nr,2}$ (kPa^{-1})

Supplier 6
PG 76-22 (PG 76S-22) $J_{nrdiff} \times 70C$

- Extremely Heavy: 0.5
- Very Heavy: 1.0
- Heavy: 2.0
- Standard: 4.0

Spec: % Difference ≤ 75

$J_{nrdiff}$ vs. $J_{nr3.2}$ (kPa$^{-1}$)

- Supplier 6

[Graph with data points and color-coded regions for Extremely Heavy, Very Heavy, Heavy, and Standard categories.]