

## Engine AfterTreatment Report

|                      |          |                 |                     |
|----------------------|----------|-----------------|---------------------|
| Engine Type          | ISX 2010 | Ecm Code        | CL10136.40          |
| Engine Serial Number | 79599023 | Software Phase  | 7.70.0.71           |
| Unit Number          | 1017     | Extraction Date | 01-17-2022 03:08:49 |

### Aftertreatment Regeneration History

| ECM Time<br>(Key On<br>Time) | Time<br>Since<br>Previous<br>Regen | Starting<br>DPF Soot<br>Load | Ending<br>DPF Soot<br>Load | Starting<br>DOC Inlet<br>Temp(°F) | Max DPF<br>Inlet<br>Temp(°F) | Max DPF<br>Outlet<br>Temp(°F) | Max DPF<br>Delta<br>Pressure<br>(psi) |
|------------------------------|------------------------------------|------------------------------|----------------------------|-----------------------------------|------------------------------|-------------------------------|---------------------------------------|
| 3105:30:34<br>9              | -13:-55:-4                         | Normal                       | Normal                     | 672.76                            | 1043.87                      | 1026.16                       | 3.57                                  |
| 3119:26:24<br>3              | -36:-49:-1                         | Normal                       | Normal                     | 561.03                            | 1071.82                      | 1087.55                       | 2.48                                  |
| 3156:15:38<br>9              | -32:-58:-3                         | Normal                       | Normal                     | 668.87                            | 1055.9                       | 1089.57                       | 1.91                                  |
| 3189:14:17<br>1              | -14:-13:-5                         | Normal                       | Normal                     | 660.1                             | 1065.59                      | 1090.47                       | 3.88                                  |
| 3203:28:8                    | -3:-31:-14                         | Normal                       | Normal                     | 594.06                            | 1060                         | 1101.49                       | 2.87                                  |
| 3206:59:23                   | -11:-37:-6                         | Normal                       | Normal                     | 564.38                            | 1074.44                      | 1086.72                       | 2.84                                  |
| 3218:36:29                   | -25:-6:-37                         | Normal                       | Normal                     | 578.71                            | 1119.74                      | 1139.62                       | 3.09                                  |
| 3243:43:6                    | -15:-4:-36                         | Normal                       | Normal                     | 695.61                            | 1104.74                      | 1139.19                       | 3.78                                  |
| 3258:47:42                   | -1:-9:-24                          | Medium                       | Normal                     | 706.32                            | 1041.73                      | 1015.13                       | 3.68                                  |
| 3259:57:7                    | -                                  | Normal                       | Normal                     | 516.3                             | 983.05                       | 1019.23                       | 1.35                                  |
| Average:                     | -                                  | -                            | -                          | 621.81                            | 1062.09                      | 1079.51                       | 2.94                                  |
| Std Dev:                     | -                                  | -                            | -                          | 62.94                             | 35.27                        | 43.15                         | 0.8                                   |

### Maximum Soot Load Condition

| ECM Time<br>(Key On<br>Time) | Elapsed<br>Time | Maximum<br>DPF Soot<br>Load | DOC Inlet<br>Temp(°F) | DPF Inlet<br>Temp(°F) | DPF<br>Outlet<br>Temp(°F) | DPF<br>Delta<br>Pressure<br>(psi) |     |
|------------------------------|-----------------|-----------------------------|-----------------------|-----------------------|---------------------------|-----------------------------------|-----|
| 1673:49:12                   | -               | -                           | Severe                | 561.8                 | 562.65                    | 559.71                            | 3.1 |

### Maximum DPF Outlet Temperature Condition

| ECM Time<br>(Key On<br>Time) | Elapsed<br>Time |   | DPF Soot<br>Load | DOC Inlet<br>Temp(°F) | DPF Inlet<br>Temp(°F) | Max DPF<br>Outlet<br>Temp(°F) | DPF<br>Delta<br>Pressure<br>(psi) |
|------------------------------|-----------------|---|------------------|-----------------------|-----------------------|-------------------------------|-----------------------------------|
| 947:47:31                    | -               | - | Normal           | 582.56                | 973.65                | 1558.29                       | 0.92                              |
|                              |                 |   |                  |                       |                       |                               |                                   |

### Aftertreatment Maintenance

| ECM Time (Key On Time) | Elapsed Time | Aftertreatment Reset Applied |
|------------------------|--------------|------------------------------|
|------------------------|--------------|------------------------------|

### Diesel Particulate Filter Parameters

|                                                                    |         |
|--------------------------------------------------------------------|---------|
| Active Regeneration in PTO and Remote Modes                        | Disable |
| Stationary Regeneration with Parking Brake                         | Disable |
| Diesel Particulate Filter Temperature Stabilization                | Enable  |
| Automatic Stationary Regeneration                                  | Disable |
| Automotive Mobile Regeneration                                     | Enable  |
| Minimum Vehicle Speed                                              | 5 mph   |
| Diesel Particulate Filter Lamp                                     | Disable |
| Diesel Particulate Filter Permit Switch                            | Enable  |
| Diesel Particulate Filter Start Switch                             | Enable  |
| High Exhaust System Temperature Lamp                               | Enable  |
| HEST Active Maximum Speed                                          | 5 mph   |
| HEST Inactive Temperature                                          | 824 °F  |
| SAE J1939 Multiplexing - Aftertreatment Regeneration Permit Switch | Enable  |
| SAE J1939 Multiplexing - Aftertreatment Regeneration Start Switch  | Enable  |