



PARTICLE ANALYSIS

NISSAN NORTH AMERICA
Canton, MS

Sampling Source: Compressor Open Loop - CT3

Electro Cell System: XCell-2000 Particle Precipitator



99%
Particle
Reduction
after 6 weeks

TEST METHOD:

All tests completed by independent third-party laboratory. Samples analyzed by electro-optical particle analyzer employing the light scattering principle of operation with filtered water and particle data corrected. Stirring was continuous.

BASELINE SAMPLE - Mar 15, 2021 Prior to **ElectroCell** Start-up

PARTICLE COUNTS PER 100mL **TEST PORTION**

1 - 3 micron:	14,872,480
3 - 5 micron:	2,155,040
5 - 10 micron:	1,272,480
10 - 15 micron:	257,920
15 - 25 micron:	176,960
Over 25 micron:	<u>79,840</u>
TOTAL / 100mL:	18,814,720

SOLIDS PER 100 LITERS **OF SYSTEM VOLUME (mm³)**

1 - 5 micron:	256.90
5 - 10 micron:	536.99
Over 10 micron:	<u>54,952.62</u>
TOTAL / 100 Liters:	55,746.51

557 ppm

POST INSTALL SAMPLE - Apr 30, 2021 with **ElectroCell** System

PARTICLE COUNTS PER 100mL **TEST PORTION**

1 - 3 micron:	38,361
3 - 5 micron:	3,123
5 - 10 micron:	1,284
10 - 15 micron:	380
15 - 25 micron:	674
Over 25 micron:	<u>925</u>
TOTAL / 100mL:	44,747

SOLIDS PER 100 LITERS **OF SYSTEM VOLUME (mm³)**

1 - 5 micron:	0.51
5 - 10 micron:	0.54
Over 10 micron:	<u>625.14</u>
TOTAL / 100 Liters:	626.19

6 ppm

Electro Cell Systems

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