

CASE STUDY

CAT R2900G

R2900G DIESEL PARTICULATE FILTER - RESULTS

Make: CATERPILLAR

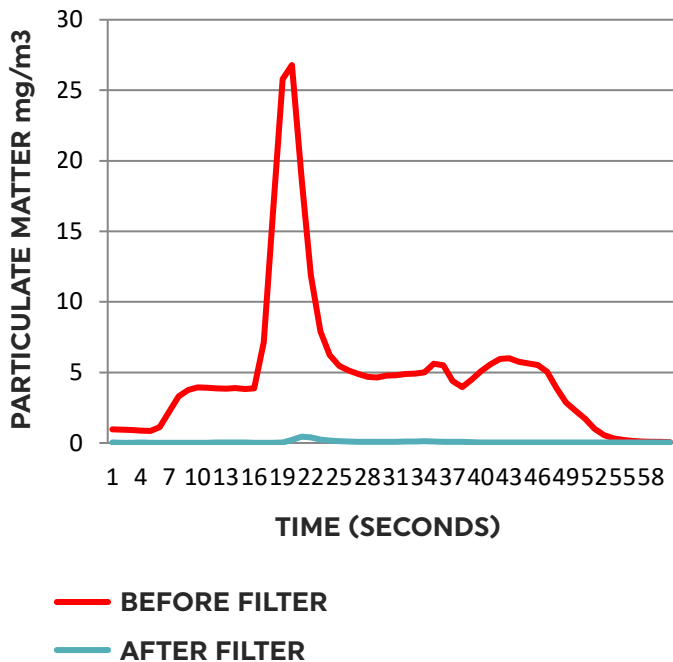
Model: R2900G

Engine: CAT® C15 ACERT™

EPA Compliance: Tier 3

Fuel Spec: ULSD

Oil Spec: CJ-4



Data	R2900G Before (MG / M3)	R2900G After (MG / M3)
DIESEL PARTICULATE RESULTS		
MAX	26.8	0.435
MIN	0.057	0.022
AVERAGE	4.9	0.066
GAS AVERAGE		
O2 (%)	14.10	19.0965
CO (PPM)	123.03	2.76
NO (PPM)	112.9	52.41
CO2 (%)	12.31	9.84
NOX (PPM)	397.8	138.12
NO2 (PPM)	123.03	2.76

Average DPM Reduction: 98.6%

Average NOx Reduction: 65.2%