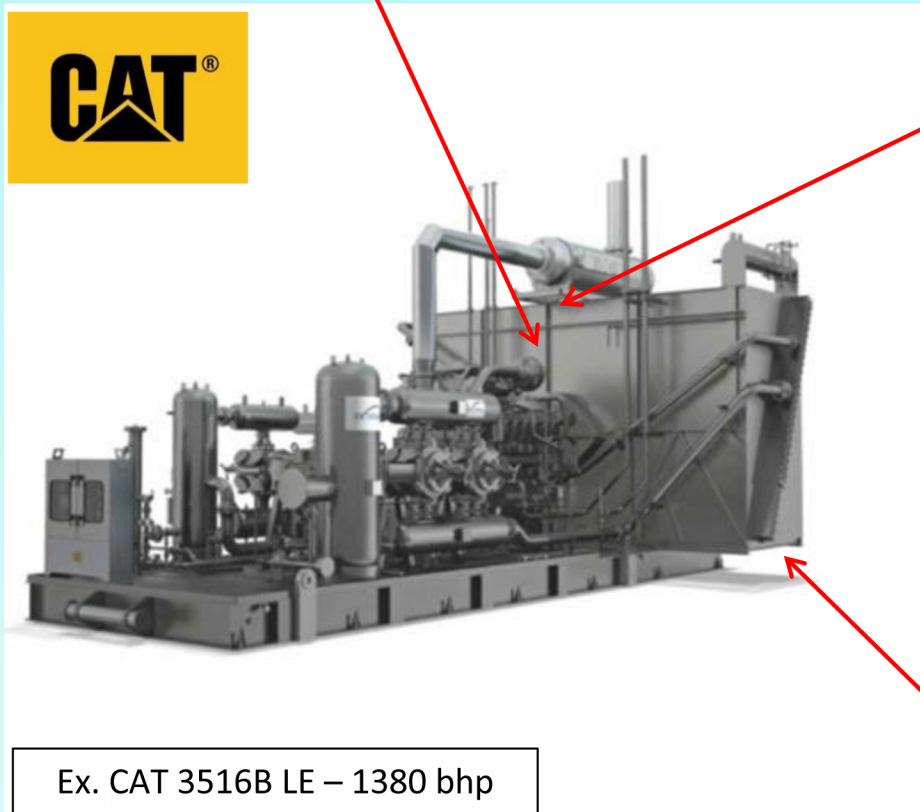


Increasing Compressor Plant HP with ORC Based Engine & Gas Cooling



Decouple Engine from Cooling
Net Shaft HP to Engine = 5.4%

Total Net HP Increase = 20 % = 261 HP



Ex. CAT 3516B LE – 1380 bhp

GM Power Output : Exhaust + JW + Gas cooling
Net HP gain : 9.0 + 7.7% = 16.7%

Gas Cooling

Engine Heat Recovery



GM's Offset existing cooling load and
power remaining cooling load