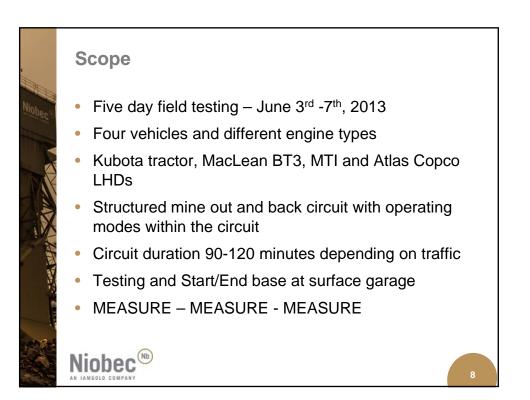
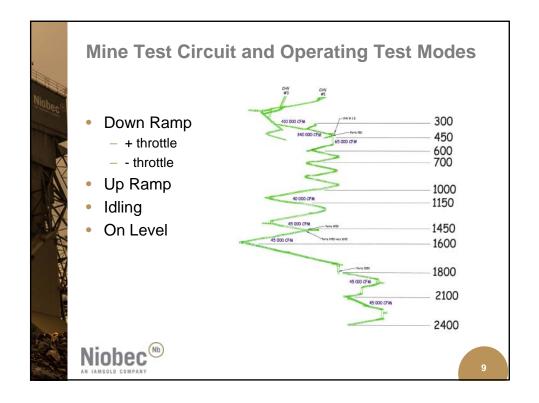


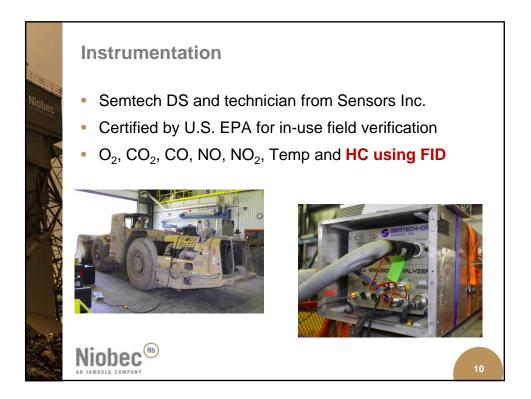
Project Goal

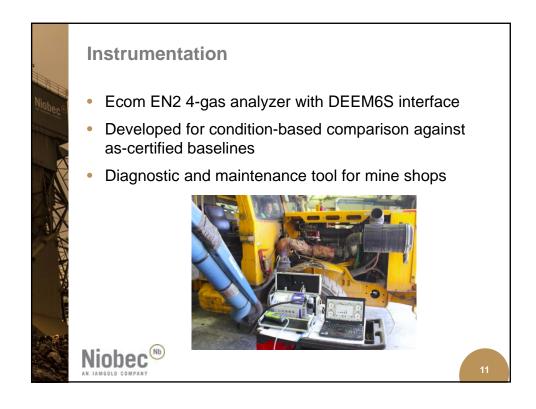
Niobec[®]

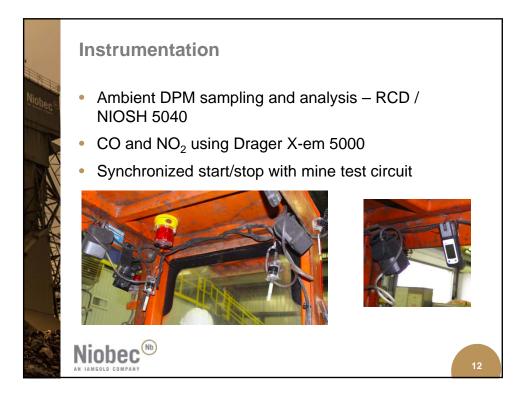
- Precise quantification on five hypothetical points
- Precise in-use measurement of raw emissions particularly HC and static raw emissions (condition)
- Parallel ambient measurements CO, NO₂, DPM, CFM
- Comparison analysis of engine operating modes
- Comparison analysis of engine and machine types
- Establish root causes respond to each "why?"
- Provide concrete recommendations and solutions



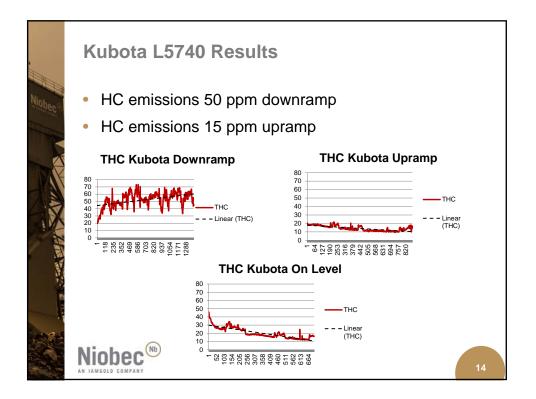


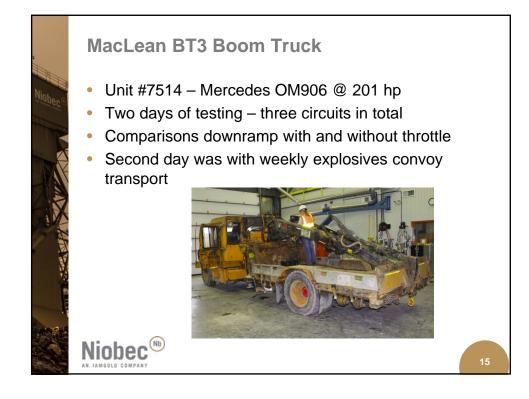






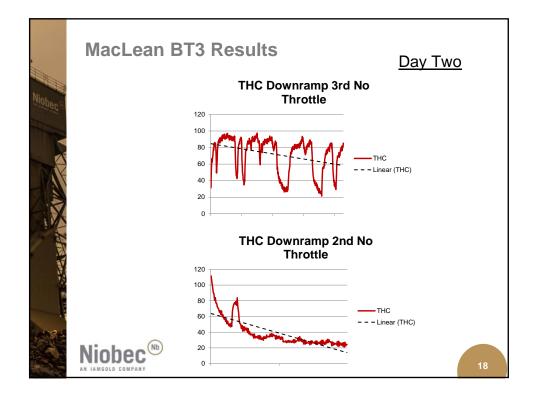


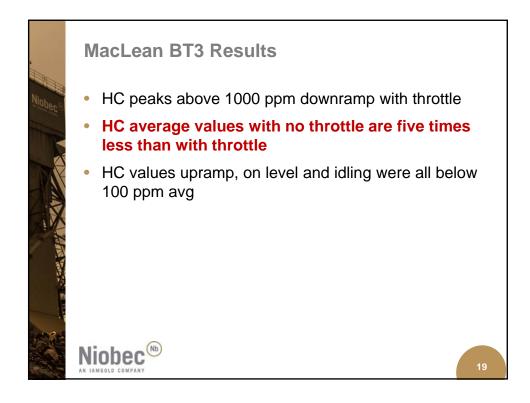


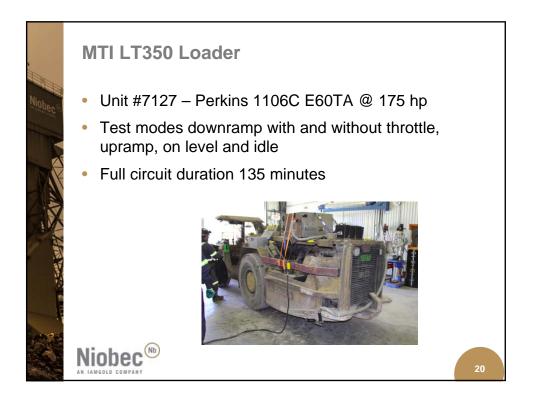


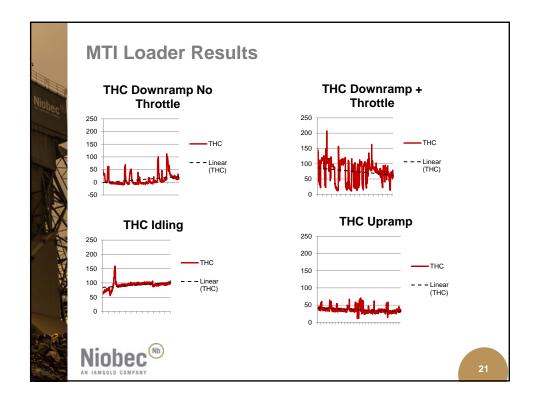
Ninh								
- aneco	Engine Speed	Test Location	Sample Value	Min. Value	Max. Value	Parameter Name	•	@ full torque stall full power
A ANALAS AN	1985	Inlet DOC	8	0	0	SMOKE	•	Problems with CO sensor CO values indicate above
	1985	Inlet DOC	10.9	10.9	10.9	02		
	1985	Inlet DOC	na	na	na	CO		
	1985	Inlet DOC	324.8	313	332	NO		baseline Performance otherwise all OK
	1985	Inlet DOC	7.8	7	9	NO2	•	
	1985	Inlet DOC	7.4	7.4	7.4	CO2		
	1985	Inlet DOC	793.6	770.4	811.3	T.GAS		
	1985	Inlet DOC	332.6	322	339	NOx		
	1985	Outlet DOC	8	0	0	SMOKE		
	1985	Outlet DOC	10.7	10.6	10.7	O2		
	1985	Outlet DOC	158.4	123	307	СО		
1	1985	Outlet DOC	312	289	322	NO		
1	1985	Outlet DOC	8.6	8	10	NO2		
	1985	Outlet DOC	7.6	7.6	7.6	CO2		
	1985	Outlet DOC	730.1	687.5	759.3	T.GAS		
-	1985	Outlet DOC	320.6	299	330	NOx		
	Niol		520.0	200	000			16

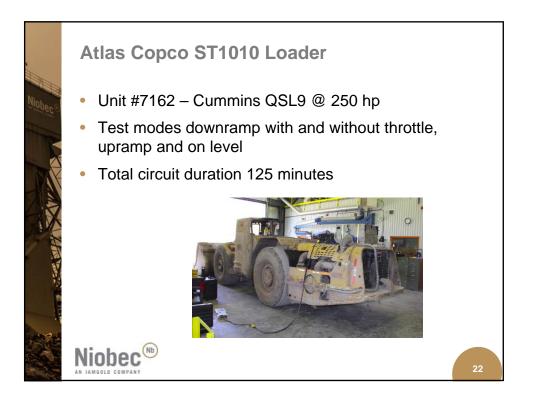
	MacLean BT3 Results			
Niobec	THC MacLean Downramp 1st Gear	<u>Day One</u>		
	1200 1000 800 600 400 200 0	THC MacLean Upramp		
	THC MacLean Downramp 2nd Gear	800 600 400 200 0 Linear (THC)		
		17		

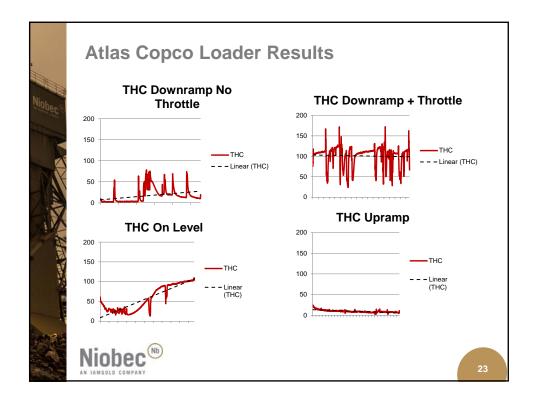


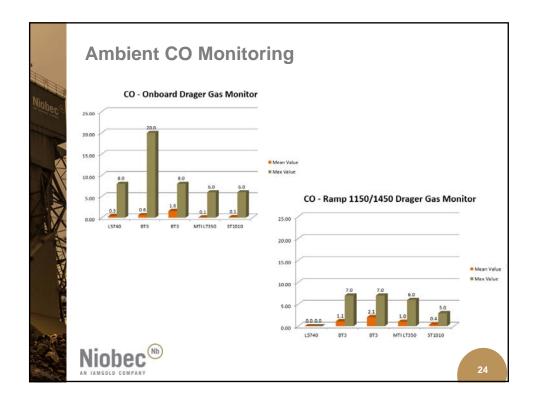












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