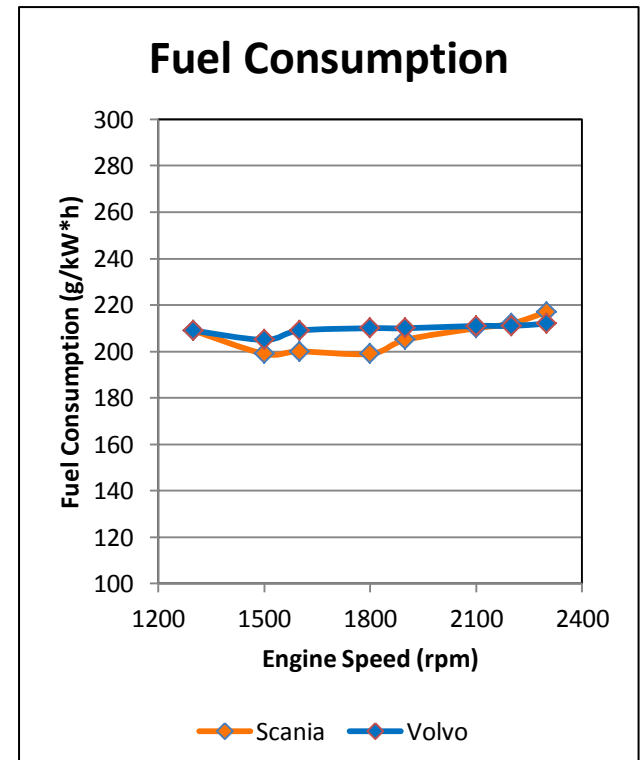
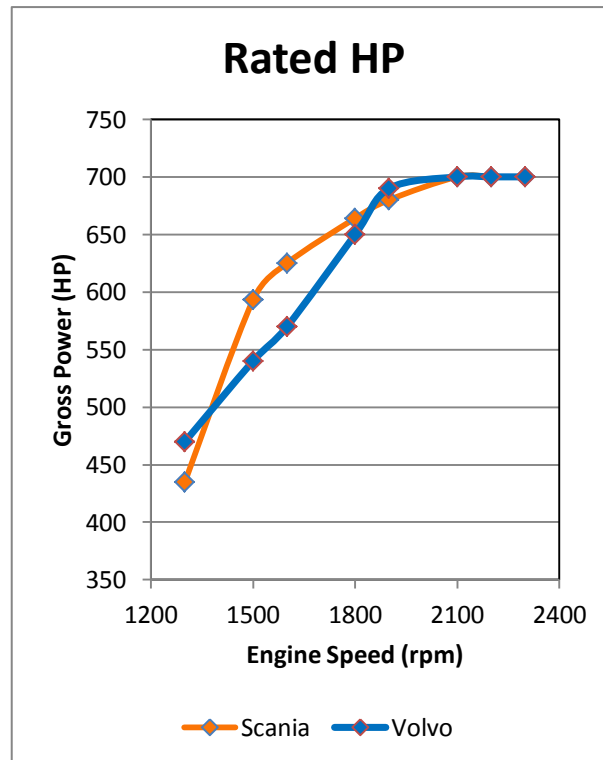
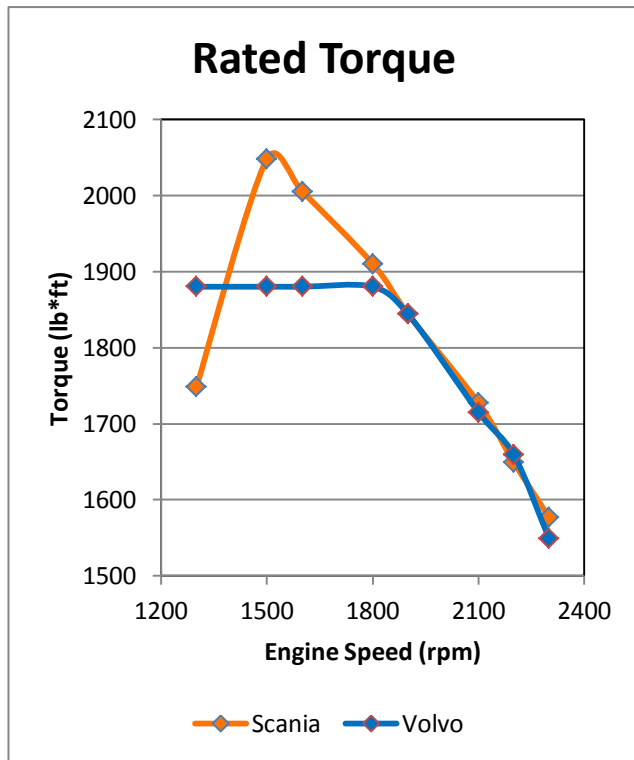


ENGINE COMPARISON

VOLVO DI13 700HP @ 2300 RPM	RPM	1300	1500	1600	1800	1900	2100	2200	2300
	TORQUE (lb*ft)	1880	1880	1880	1880	1844	1715	1659	1549
	HP	470	540	570	650	690	700	700	700
	FUEL CONSUMPTION (L/h)	209	205	209	210	210	211	211	212

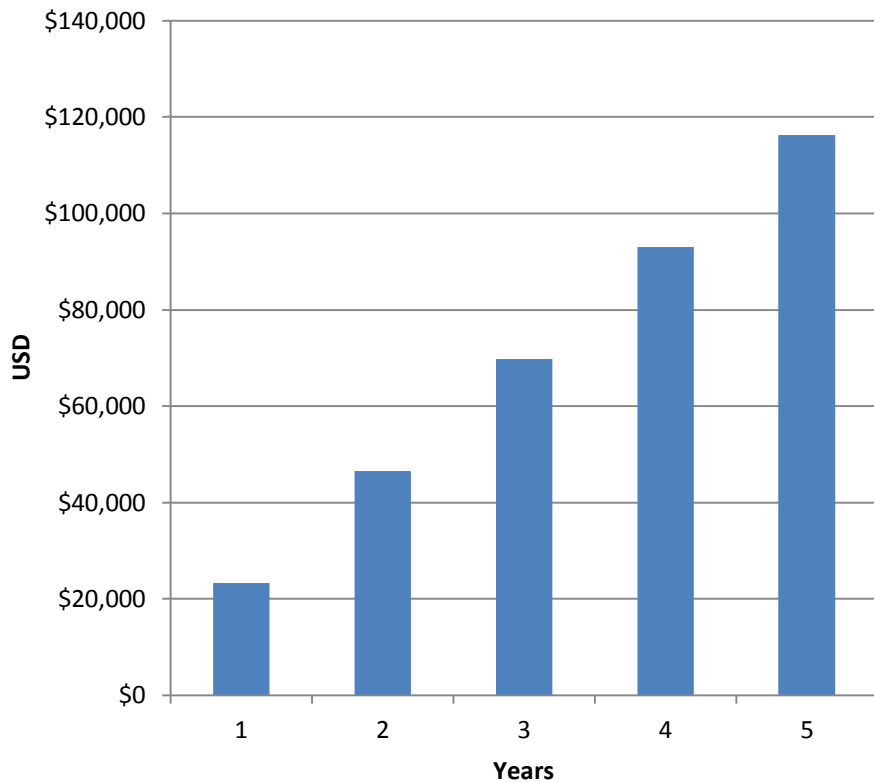
SCANIA DI13 77M 700HP @ 2300 RPM	RPM	1300	1500	1600	1800	1900	2100	2200	2300
	TORQUE (lb*ft)	1748	2048	2005	1910	1844	1727	1649	1577
	HP	435	593	625	664	680	700	700	700
	FUEL CONSUMPTION (L/h)	209	199	200	199	205	210	212	217

TOTAL AVG:	1%	TORQUE % DIFFERENCE:	-7%	9%	7%	2%	0%	1%	-1%	2%
TOTAL AVG:	1%	HP % DIFFERENCE :	-7%	10%	10%	2%	-1%	0%	0%	0%
TOTAL AVG:	1%	FUEL CONSUMPTION % DIFF. :	0%	3%	4%	5%	2%	0%	0%	-2%



PROP FUEL COMPARISON ANALYSIS

Avg. Fuel Savings for 2000 hr Cycle



SCANIA ENGINE		
Fuel Consumption at 2100 RPM	102.00	L/h
Fuel Consumption at 2100 RPM	26.95	gal/h
Running Time	2000	h
Yearly Fuel Consumption	53891.11	gal/yr
Fuel Cost	\$4.00	/gal
Total Fuel Cost	\$215,564.43	/yr

VOLVO ENGINE		
Fuel Consumption at 2100 RPM	113.00	L/h
Fuel Consumption at 2100 RPM	29.85	gal/h
Running Time	2000	h
Yearly Fuel Consumption	59702.89	gal/yr
Fuel Cost	\$4.00	/gal
Total Fuel Cost	\$238,811.58	/yr

Year	1	2	3	4	5
Fuel Savings	\$23,247	\$46,494	\$69,741	\$92,989	\$116,236

Total Fuel Savings After 5 Years	\$116,236
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