

Representative Sample

Engine Manufacturer	Market Segment	Engine Model	Fuel	Intermittent Hp	Cylinders	Displacement	FIE Type	Turbo Supplier	2004	2005	2006	2007
Detroit Diesel	Med/Hvy Trucks	12.7L(G)	Diesel	550	6	12.74	Elec Unit Inj	Garrett	39	38	36	28
Detroit Diesel	Med/Hvy Trucks	14.0L(A)	Diesel	550	6	14	Elec Unit Inj	Garrett	641	624	597	472
International	Med/Hvy Trucks	7.3LT-DI(B)	Diesel	175	8	7.27	Hydr Unit Inj	Garrett	4,387	4,488	4,489	3,746
International	Med/Hvy Trucks	DT466-210	Diesel	210	6	7.6	Common Rail	BW	4,270	4,368	4,369	3,645
International	Med/Hvy Trucks	DT466-300	Diesel	300	6	7.6	Common Rail	BW	5,288	5,410	5,411	4,515
International	Med/Hvy Trucks	DT466E3	Diesel	195	6	7.6	Hydr Unit Inj	Garrett	2,554	2,613	2,613	2,180
International	Med/Hvy Trucks	DT530E2	Diesel	275	6	8.69	Hydr Unit Inj	Garrett	414	424	424	354
International	Med/Hvy Trucks	DTA-466(D2)	Diesel	275	6	7.64	Inline	Garrett	2,769	2,833	2,833	2,364
International	Med/Hvy Trucks	HT570-295	Diesel	295	6	9.34	Common Rail	Garrett	1,683	1,722	1,722	1,437
Mack	Med/Hvy Trucks	AMI-335	Diesel	335	6	11.96	Unit Pump	BW	2,307	2,259	2,171	1,728
Mack	Med/Hvy Trucks	EM7-300 ETECH	Diesel	300	6	11.96	Unit Pump	Schwitzer	2,315	2,266	2,177	1,733
Mack	Med/Hvy Trucks	EM7-300 ETECH	Diesel	300	6	11.96	Unit Pump	BW	2,315	2,266	2,177	1,733

Database Scope

Obtain Engine Manufacturer Information	Analyze and Compare over 30 Engine Specifications and Performance Parameters	Obtain Component Information Including Fuel Injection Equipment & Turbocharger Data	Attain Annual Production Volumes	Obtain Future Engine Production Volumes
<u>Manufacturer Fields</u> <ul style="list-style-type: none"> • Manufacturer Name • Address • Affiliations • Country • Division • Email Address • Employees • Facilities • Fax • Market Segment • Notes • Parent Company • Product Line • Phone • Region • Sales • Web Address 	<u>Engine Model Fields</u> <ul style="list-style-type: none"> • Engine Model • Aspiration • Bore (mm) • Configuration • Continuous Hp • Cooling • Crankshaft • Cycle • Cylinder Liners • Cylinders • Date Discontinued • Date Introduced • Displacement • Fuel • Fuel Delivery • Height (mm) • Hp Rpm 	<u>Component Fields</u> <ul style="list-style-type: none"> • FIE Type • FIE Nozzle Supplier • FIE Nozzle Country • FIE Pump Model • FIE Pump Supplier • FIE Pump Country • FIE Nozzle Installations - Since 1996 • FIE Pump Installations - Since 1996 • Turbocharger Supplier • Turbocharger Country • Turbocharger Count • Turbocharger Installations - Since 1980 	<u>Production</u> <ul style="list-style-type: none"> Engine Production History - Since 1980 	<u>Forecast</u> <ul style="list-style-type: none"> Forecast of Engine Production - 5-Year Forecast

Representative Sample

OEM Name	Product	OEM Model	Engine Supplier	Engine Model	Fuel	Intermittent Hp	FIE Type	2004	2005	2006	2007
Sterling Truck Co	Trucks Class 8	A-LINE	Mercedes Bnz	MBE4000-450	Diesel	450	Elec Unit Inj	1,127	1,185	1,259	1,302
Sterling Truck Co	Trucks Class 8	A-LINE	Mercedes Bnz	MBE4000-410	Diesel	410	Elec Unit Inj	1,068	1,122	1,192	1,233
Sterling Truck Co	Trucks Class 8	A-LINE	Mercedes Bnz	MBE4000-370	Diesel	370	Elec Unit Inj	1,037	1,090	1,158	1,198
Sterling Truck Co	Trucks Class 8	A-LINE	Mercedes Bnz	MBE4000-350	Diesel	350	Elec Unit Inj	1,023	1,075	1,142	1,181
Evobus-Mannheim	Trucks Class 8	ATEGO 1823	Mercedes Bnz	OM906LA1	Diesel	231	Unit Pump	2,729	2,822	2,950	3,003
Evobus-Mannheim	Trucks Class 8	ATEGO 1828	Mercedes Bnz	OM906LA2	Diesel	279	Unit Pump	3,494	3,613	3,777	3,844
Evobus-Mannheim	Trucks Class 8	AXOR	Mercedes Bnz	OM457LA6	Diesel	401	Unit Pump	2,883	2,993	3,141	3,209
Evobus-Mannheim	Trucks Class 8	AXOR	Mercedes Bnz	OM457LA7	Diesel	428	Unit Pump	2,666	2,767	2,903	2,966
Evobus-Mannheim	Trucks Class 8	AXOR	Mercedes Bnz	OM457LA5	Diesel	354	Unit Pump	2,652	2,753	2,889	2,951
Beiqi Foton Motor	Trucks Class 8	BJ1208	Yuchai Machinery	YC6108ZQB	Diesel	207	Inline	1,747	1,851	1,983	2,068
Beiqi Foton Motor	Trucks Class 8	BJ1241	Dongfeng-Cummins	6CTA8.3	Diesel	250	Inline	1,084	1,149	1,231	1,284
Beiqi Foton Motor	Trucks Class 8	BJ3208	Dongfeng-Cummins	6CTA8.3	Diesel	250	Inline	1,353	1,434	1,536	1,602

Database Scope

Obtain Original Equipment Manufacturer Information	Discover Key OEM Model Information, Including Various Marketing and Engineering Performance Parameters	Analyze and Compare over 30 Engine Specifications and Performance Parameters	Obtain Component Information Including Fuel Injection Equipment Data	Attain Annual Production Volumes	Obtain Future OEM Production Volumes
OEM Fields <ul style="list-style-type: none"> • Manufacturer Name • Address • Country • Email Address • Fax • Latitude • Longitude • Notes • Parent Company • Phone • Region • Web Address 	OEM Model Fields <ul style="list-style-type: none"> • OEM Model • OEM Name • Brand • Product • Application • Segment • Date Introduced • Date Discontinued • Metric Weight Class • OEM Model Hp • OEM Model Rpm • OEM Model kW • Engine Model • Engine Supplier • Engine Country • Engine Captive 	Engine Model Fields <ul style="list-style-type: none"> • Engine Model • Aspiration • Bore (mm) • Configuration • Continuous Hp • Cooling • Crankshaft • Cycle • Cylinder Liners • Cylinders • Date Discontinued • Date Introduced • Displacement • Fuel • Fuel Delivery • Height (mm) • Hp Rpm • Intercool • Intermittent Hp • kW Rating • Length (mm) • Licensor • Segment • Series • Stroke • Torque (Nm) • Torque RPM • Type • Valve Cam Configuration • Valves per Cylinder • Variable Valve Technology • Weight (kg) • Width (mm) 	Component Fields <ul style="list-style-type: none"> • FIE Type • FIE Nozzle Supplier • FIE Nozzle Country • FIE Pump Model • FIE Pump Supplier • FIE Pump Country • FIE Nozzle Installations - Since 1996 • FIE Pump Installations - Since 1996 	Production <p>Original Equipment Production History - Since 1980</p>	Forecast <p>Forecast of Original Equipment Production - 5-Year Forecast</p>

Representative Sample

Engine Manufacturer	Market Segment	Engine Model	Fuel	Intermittent Hp	Cylinders	Displacement	FIE Type	Turbo Supplier	2002	2003	2004	Total
Volkswagen	Highway	028.E	Diesel	110	4	1.9	Rotary	Garrett	19,687	19,797	20,817	138,833
Mercedes Bnz	Highway	MBE900-170	Diesel	170	4	4.25	Unit Pump	3K-Warner	159	163	170	492
Mazda	Highway	WL-T EURO	Diesel	83	4	2.5	Inline	Hitachi	564	588	580	2,091
Cummins	Highway	ISB E-250(W)	Diesel	250	6	5.88	Common Rail	Holset	11,601	41,301	55,788	108,690
Cummins	Highway	ISB E-305(W)	Diesel	305	6	5.88	Common Rail	Holset	2,769	10,977	2,130	15,876
International	Highway	POWER STROKE 60	Diesel	325	8	5.95	Common Rail	Garrett	32,594	216,123	236,331	485,048
Mercedes Bnz	Highway	MBE4000-350	Diesel	350	6	12.82	Elec Unit Inj	3K-Warner	485	2,232	3,331	6,126
Mercedes Bnz	Highway	MBE4000-370	Diesel	370	6	12.82	Elec Unit Inj	3K-Warner	541	1,979	2,792	5,396
Mercedes Bnz	Highway	MBE4000-410	Diesel	410	6	12.82	Elec Unit Inj	3K-Warner	624	2,252	3,099	6,063
Mercedes Bnz	Highway	MBE4000-435	Diesel	435	6	12.82	Elec Unit Inj	3K-Warner	592	2,390	3,835	6,897
Mercedes Bnz	Highway	MBE4000-450	Diesel	450	6	12.82	Elec Unit Inj	3K-Warner	60	343	387	844
Isuzu	Highway	4HE1-TC	Diesel	175	4	4.75	Inline	IHI	458	463	438	2,072

Database Scope

Obtain Engine Manufacturer Information	Analyze and Compare over 30 Engine Specifications and Performance Parameters	Obtain Component Information Including Fuel Injection Equipment & Turbocharger Data	Attain Annual In-Service, Population Volumes	Obtain Total In-Service, Population Volume
<u>Manufacturer Fields</u> <ul style="list-style-type: none"> • Manufacturer Name • Address • Affiliations • Country • Division • Email Address • Employees • Facilities • Fax • Market Segment • Notes • Parent Company • Product Line • Phone • Region • Sales • Web Address 	<u>Engine Model Fields</u> <ul style="list-style-type: none"> • Engine Model • Aspiration • Bore (mm) • Configuration • Continuous Hp • Cooling • Crankshaft • Cycle • Cylinder Liners • Cylinders • Date Discontinued • Date Introduced • Displacement • Fuel • Fuel Delivery • Height (mm) • Hp Rpm 	<u>Component Fields</u> <ul style="list-style-type: none"> • FIE Type • FIE Nozzle Supplier • FIE Nozzle Country • FIE Pump Model • FIE Pump Supplier • FIE Pump Country • FIE Nozzle Installations - Since 1996 • FIE Pump Installations - Since 1996 • Turbocharger Supplier • Turbocharger Country • Turbocharger Count • Turbocharger Installations - Since 1980 	<u>Population</u> Engine Population History - Since 1980	<u>Total In-Service</u> Engine Population History - Since 1980

Representative Sample

OEM Name	Product	OEM Model	Engine Supplier	Engine Model	Fuel	Intermittent Hp	FIE Type	2002	2003	2004	Total
Daimler Chrysler- Santiago	Trucks Class 8	FLD SERIES	Cummins	N14-435E	Diesel	435	Elec Unit Inj	169	180	201	3,005
International Truck- USA	Trucks Class 8	8000 SERIES	International	DT530E4	Diesel	300	Hydr Unit Inj	13	49	8	5,663
International Truck- USA	Trucks Class 8	8000 SERIES	International	DT530E5	Diesel	330	Hydr Unit Inj	14	62	49	596
Mack Trucks Inc.	Trucks Class 8	CL SERIES	Cummins	ISX-565	Diesel	565	Elec Unit Inj	32	11	12	101
Mack Trucks Inc.	Trucks Class 8	RD SERIES	Mack	E7-350 ETECH	Diesel	350	Unit Pump	47	33	12	326
International Truck- USA	Trucks Class 8	8000 SERIES	Cummins	ISM-280	Diesel	280	Rotary	127	59	93	422
International Truck- USA	Trucks Class 8	8000 SERIES	Cummins	ISM-310	Diesel	310	Rotary	344	230	115	1,052
International Truck- USA	Trucks Class 8	8000 SERIES	Cummins	ISM-330	Diesel	330	Rotary	280	165	94	891
International Truck- USA	Trucks Class 8	8000 SERIES	Cummins	ISM-350	Diesel	350	Rotary	199	115	63	506
International Truck- USA	Trucks Class 8	8000 SERIES	Cummins	ISM-370	Diesel	370	Rotary	253	182	102	787
International Truck- USA	Trucks Class 8	8000 SERIES	International	DT530E3	Diesel	280	Hydr Unit Inj	18	76	52	1,933
Volvo Truck- Dublin	Trucks Class 8	VN	Cummins	ISX-400	Diesel	400	Elec Unit Inj	1,183	1,625	1,820	4,747

Database Scope

Obtain Original Equipment Manufacturer Information	Discover Key OEM Model Information, Including Various Marketing and Engineering Performance Parameters	Analyze and Compare over 30 Engine Specifications and Performance Parameters	Obtain Component Information Including Fuel Injection Equipment Data	Attain Annual In-Service, Population Volumes	Obtain Total In-Service, Population Volume
<u>OEM Fields</u> <ul style="list-style-type: none"> • Manufacturer Name • Address • Country • Email Address • Fax • Latitude • Longitude • Notes • Parent Company • Phone • Region • Web Address 	<u>OEM Model Fields</u> <ul style="list-style-type: none"> • OEM Model • OEM Name • Brand • Product • Application • Market Segment • Date Introduced • Date Discontinued • Metric Weight Class 	<u>Engine Model Fields</u> <ul style="list-style-type: none"> • Engine Model • Aspiration • Bore (mm) • Configuration • Continuous Hp • Cooling • Crankshaft • Cycle • Cylinder Liners • Cylinders • Date Discontinued • Date Introduced • Displacement • Fuel • Fuel Delivery • Height (mm) • Hp Rpm 	<u>Component Fields</u> <ul style="list-style-type: none"> • FIE Type • FIE Nozzle Supplier • FIE Nozzle Country • FIE Pump Model • FIE Pump Supplier • FIE Pump Country • FIE Nozzle Installations - Since 1996 • FIE Pump Installations - Since 1996 	<u>Population</u> <ul style="list-style-type: none"> Original Equipment Population History - Since 1980 	<u>Total In-Service</u> <ul style="list-style-type: none"> Original Equipment Population History - Since 1980

Representative Sample

Driven Device	Operational Yr.	Gas Turbine Manufacturer	Model	Turbines	Megawatt Total	Steam Turbine OEM	Developer	Steam Turbine Rating	Owner
Generator	2000	Mitsubishi Heavy	501F	2	500	Mitsubishi Heavy	Enertek	170	Enertek/Alpek Petchem
Generator	1999	General Electric	7FA	2	500	General Electric	Duke Energy	160	Hinds Energy Facility
Generator	1999	General Electric	7FA	2	585	General Electric	PG&E Global	245	Attala Energy Facility
Generator	1999	General Electric	7FA	2	536	General Electric	NRG Energy	196	McClain Energy Facility
Generator	1999	General Electric	7FA	3	772	General Electric	Alliant Energy	250	Argo Power Project
Generator	2000	General Electric	7FA	1	365	General Electric	Mirant Energy	191	Alabama Power
Generator	2000	General Electric	7FA	1	270	General Electric	Calpine	96	Goldendale Energy Ctr
Generator	2000	Alstom Power	GT24	1	250	Alstom Power	Petrobras	102	Termo Rio

Database Scope

Obtain Gas Turbine Application Data	Analyze and Compare Gas Turbine Specifications and Turbine Installation Volumes	Discover Key Steam Turbine Information OEM Information	Obtain Gas Turbine Owner Information	
<u>Application</u> <ul style="list-style-type: none"> • Driven Device • Book Year • Electric Utility/Non-Utility Generation • Heat Recovery • Operational Yr. • Ship Year • Utility 	<u>Gas Turbine Specifications</u> <ul style="list-style-type: none"> • Gas Turbine Manufacturer • Cycle • Fuel Group • Gas Turbine Megawatt Total • Gas Turbine Rating (Horsepower) • Gas Turbine Rating (Megawatt) 	<u>Steam Turbine Original Equipment Manufacturer</u> <ul style="list-style-type: none"> • Number of Turbines • Packager • Packager Configuration • Specific Fuel • Turbine Model 	<u>Gas Turbine Owner</u> <ul style="list-style-type: none"> • Steam Turbine OEM • Developer 1 • Developer 2 • Architect & Engineer/Electric Power Corp. • Boiler Quantity • Boiler Type • Rating Each Megawatt • Total Steam Turbine Rating (Megawatt) 	<ul style="list-style-type: none"> • Owner Name • City • Country • County • Market Segment • Overall Market • Plant • Region • State/Province

Representative Sample

OEM Name	Product	OEM Model	Brand	Hp	Engines/Boat	Engine Make/Mariniser	Engine Model	2003Eng	2003Boat	2004Eng	2004Boat
Albemarle Boats	Stern Drive	Sportsfisher	Albemarle	315	2	Yanmar	6LPA-STP	6	3	8	4
Albemarle Boats	Stern Drive	Sportsfisher	Albemarle	370	2	Yanmar	6LYA-STP	6	3	6	3
Albin Marine	Inboard Marine	Sportsfisher	Albin Marine	350	2	Caterpillar	3126TA	40	20	24	12
Baha Cruiser	Inboard Marine	Sportscruiser	Baha Cruiser	285	1	Volvo Penta	KAMD300	1	1	1	1
Benchmark Boats	Inboard Marine	Sportscruiser	Benchmark Boats	451	2	CumminsMerCruiser	450C	2	1	2	1
Caliber Yachts	Inboard Marine	Sailboat	Caliber	29	1	Yanmar	3YM30-SD	8	8	8	8
Caliber Yachts	Inboard Marine	Sailboat	Caliber	54	1	Yanmar	4JH4E	4	4	4	4
Caliber Yachts	Inboard Marine	Sailboat	Caliber	75	1	Yanmar	4JH3-TE	2	2	2	2
Camano Marine	Inboard Marine	Trawler	Camano Marine	200	1	Volvo Penta	TAMD41P	34	34	36	36
Carolina Classic	Inboard Marine	Sportsfisher	Carolina Classic	350	2	Caterpillar	3126B	2	1	2	1
Carver/Trojan	Inboard Marine	Motoryacht	Carver/Trojan	715	2	Volvo Penta	D12EDC	16	8	28	14
Four Winns	Stern Drive	Sportscruiser	Four Winns	170	2	Volvo Penta	KAD32P	10	5	8	4
Luhrs	Inboard Marine	Sportsfisher	Luhrs	465	2	Yanmar	6CX-GTE	24	12	22	11
Luhrs	Inboard Marine	Sportsfisher	Luhrs	500	2	Yanmar	6CX-GTE2	22	11	24	12
Mainship	Inboard Marine	Sportsfisher	Mainship	385	1	Caterpillar	3126TA	17	17	19	19
Ocean Yachts	Inboard Marine	Sportsfisher	Ocean Yachts	800	2	MAN	D2848LE403	20	10	16	8
Pacific Trawlers	Inboard Marine	Trawler	Pacific Trawlers	300	1	Deere	6076AFM	2	2	2	2

Database Scope

Obtain OEM Information	Discover Key OEM Model Information, Including Various Marketing and Engineering Performance Parameters				Analyze and Compare Engine Specifications and Performance Parameters		Attain Annual Engine Installation Volumes	Obtain Annual Production Volumes
<u>OEM Fields</u>	<u>OEM Model Fields</u>				<u>Engine Model Fields</u>		<u>Installation</u>	<u>Production</u>
<ul style="list-style-type: none"> • Manufacturer Name • Country • Parent Company 	<ul style="list-style-type: none"> • OEM Model (Boat Type) • OEM Name 	<ul style="list-style-type: none"> • Brand • Product 	<ul style="list-style-type: none"> • OEM Hp • OEM kW 	<ul style="list-style-type: none"> • Engine Model • Engines/Boat 	<ul style="list-style-type: none"> • Engine Model • Engine Make/Mariniser • Fuel (Diesel Only) 	<ul style="list-style-type: none"> • Hp Rpm • Power Range (3 Hp Bands) 	<ul style="list-style-type: none"> Engine Installation History - Since 2000 	<ul style="list-style-type: none"> Boat Production History - Since 2000