

	Engine Materials and Construction Cummins Fire Power DePere, WI 54115 http://www.cumminsfirepower.com	Basic Engine Model CFP15E-F40, F30, F20, F10
	Configuration Number: D103007CX03 Installation Drawing: 8715, 11656	Curve Number: FR - 10663 CPL Code: 8760-SC7 Engine Family: Industrial Date: September 2007
<p style="text-align: center;"><u>Engine</u></p> <p>Camshaft Type..... Precision Ground Material..... Forged Steel Location..... Dual Overhead Drive..... Gear</p> <p>Connecting Rods Type..... I-Beam, Fracture split Material..... Nickel Chrome Molybdenum</p> <p>Crankshaft Type..... Precision Ground Material..... Forged Steel</p> <p>Crankshaft Main Bearings Type..... Precision Half Shells Material..... Steel, Copper with Soft Metal Overlay</p> <p>Crankshaft Rod Bearings Type..... Precision Half Shells Material..... Steel, Copper with Soft Metal Overlay</p> <p>Cylinder Block Type..... Wet Lined Material..... Cast Iron Alloy</p> <p>Cylinder Head Type..... 1 Common, 24 Valve Material..... Cast Iron Alloy</p> <p>Cylinder Liners Type..... Centrifugal Casting, Mid Stop Material..... Cast Iron Alloy</p> <p>Pistons Type..... 1 Piece Cast Material..... Forged Steel</p> <p>Piston Pins Type..... Full Floating Material..... Forged Steel</p> <p>Piston Rings First..... Chrome Coated Ductile Cast Iron Second..... Keystone, Hardened Grey Cast Iron Third..... Chrome Coated Composite</p> <p>Valves Type..... Poppet Arrangement..... Overhead Valve Number per Cylinder... 2 Intake, 2 Exhaust Operating Mechanism. Mechanical Rocker Arm Lifter Type..... Cam Lobe</p>		<p style="text-align: center;"><u>Air Handling</u></p> <p>Air Cleaner Type..... Single Element, Washable Material..... Oiled Cotton Fabric</p> <p>Turbocharger Type..... Cummins Turbo Tech HX60 Design..... Wastegated</p> <p style="text-align: center;"><u>Cooling System</u></p> <p>Charge Air Cooler Heat Exchanger Type..... Tube and Shell Material..... Covers..... 83600 Red Brass Headers..... 36500 Muntz Plumbing..... 316 Stainless Steel, Brass, Copper & Silicone Tubes..... Copper</p> <p>Coolant Heat Exchanger Type..... Tube and Shell Material..... Electrode..... Zinc Headers..... Copper Shell..... Copper Tubes..... Copper</p> <p>Coolant Pump Type..... Centrifugal Drive..... Belt, Multi VCC</p> <p>Thermostat Type..... Modulating Quantity..... 1</p> <p style="text-align: center;"><u>Fuel System</u></p> <p>Fuel Injection Pump Type..... Gear Drive..... Electronic, Gear Driven</p> <p>Fuel Lift Pump Type..... Roller Vane Drive..... Electronic, Gear Driven</p> <p style="text-align: center;"><u>Lubrication System</u></p> <p>Oil Pump Type..... Gerotor Drive..... Gear</p> <p>Lubrication Cooler Type..... Plate Material..... Braised Stainless Steel</p>