



IPD Products for DRILLING INDUSTRY

Caterpillar®

**342/343/346/348/353/379/398/399/3306/3406
3406E/3408/3408E/3412/3412E/3508/3508B/3512
3512B/3516/3516B/3520/C12/C13/C15/C18/C27/C32**

The Standard for Quality, Innovation, Service and Support Since 1955

SAVINGS WITHOUT RISK

IPD Parts = Quality, Reliability, Reduced Down Time & Reduced Costs Per Hour

IPD is the leading aftermarket supplier of quality repair & replacement parts for drilling industry engines. IPD quality parts for older Caterpillar® 300 through latest 3500 and C series engines are designed and engineered to match OE parts performance (hours of operation).

Quality Engineering, Manufacturing & Testing

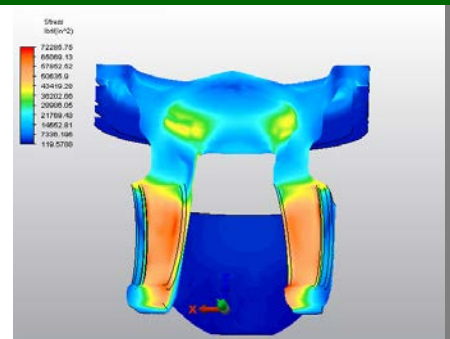
- IPD parts specifications based on OE designs
- Quality oriented engineering processes, such as Finite Element Analysis (FEA) simulation, 3D modeling, metallurgical analysis, and a variety of testing methods (engine, mechanical, hydro pulsator, & more)
- Reliable and precision manufacturing processes, such as investment casting, CNC machining, advance CAM turning, heat treating, induction hardening, and a variety of specialty coatings (such as for corrosion protection and friction reduction) and platings (ASTM standards)
- IPD quality assurance processes include measurement and analysis of critical dimensions, metallurgy, hardness, surface finish, and more
- IPD is an ISO9001-2008 quality process certified by Lloyd's Register

Premium Products

- IPD design pistons lead the aftermarket, from aluminum to **IPDSteel®** (2 piece articulated, 1 piece, and the latest 2 piece friction welded designs...all protected by IPD patents or patents pending)
- Wide range of engine overhaul kits and components available, the supplier of choice for drilling companies worldwide.

Technical Expertise and Industry Leadership

- IPD offers technical support that is unsurpassed in the aftermarket (on-line technical support, exclusive on-line catalog, technical series videos and bulletins, expert technical and applications staff)
- Worldwide network of knowledgeable distribution and customer service staff
- Industry leading warranty coverage of 1 year / 3,600 hours of operation for drilling industry off-highway diesel engines



Engine	Cyl. Kit Parts	Engine Bearings	OEM Style Gasket Sets	IPD Style Gasket Sets	Valve Train Parts	Water Pump and/or Repair Parts	Oil Coolers & Pump Repair Parts	Fuel Injector or Nozzle	Misc. Fuel System Parts	Crankshaft and/or Camshaft
Caterpillar®										
342/343/347/348	●	●	●	●	●			●		
353/379/398/399	●	●	●	●	●	●		●	●	
3064/3066	●	●	●	●	●					
3114/3116/3126	●	●	●	●	●	●	●	●	●	●
3204/3208	●	●	●	●	●	●	●	●	●	●
3304/3306	●	●	●	●	●	●	●	●	●	●
3400/3400E series	●	●	●	●	●	●	●	●	●	●
3500/3500B series	●	●	●	●	●	●				
C12	●	●	●	●	●	●	●	●	●	
C13	●	●	●	●	●					
C15	●	●	●	●	●	●	●		●	●
C18		●	●	●	●		●			
C27	●	●		●	●	●	●			
C32		●	●	●	●	●	●			



IPD provides a wide range of quality/precision-engineered engine repair parts for the drilling industry

- Cylinder kits (piston & liner assemblies) and components
 - Pistons, rings, pins, retainers
 - Induction-hardened cylinder liners
- Standard and oversize engine bearings, bushings, thrust plates
- Valvetrain (valves, seats, springs, guides, locks, lifters, rotocoils)
- Cooling and lubrication system components (oil coolers, water pumps, pump overhaul/rebuilt kits and components, regulators)
- Miscellaneous components (crankshafts/camshafts, cylinder block repair sleeves, spacer plates, and more)
- OE style and **IPDStyle 1-2-3™** comprehensive gaskets and sets





IPD PARTS ENGINE APPLICATIONS

CATERPILLAR®

C-Series (C7, C9, C10, C12, C13, C15/C15 Acert, C27, C32)

D3500 Series (D3508/D3512/D3516/D3524)

G3500 Series (G3508/G3512/G3516/G3520)

D3400E Series (D3406E/D3408E/D3412E)

D3400 Series (D3406/D3408/D3412)

G3400 Series (G3406/G3408/G3412)

D3300 Series (D3304/D3306)

G3300 Series (G3304/G3306)

3200 Series (3204/3208)

3100 Series (3114/3116/3126/3176C/3196)

3000 Series (3064/3066)

D300 Series (D333/D339/D342/D343/D346/D348/D353/D379/D398/D399)

G300 Series (G333/G342/G353/G379/G398/G399)

CUMMINS®

ISX/QSX

DETROIT DIESEL®

60 Series

WAUKESHA®

VHP Series (7042/7044)

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