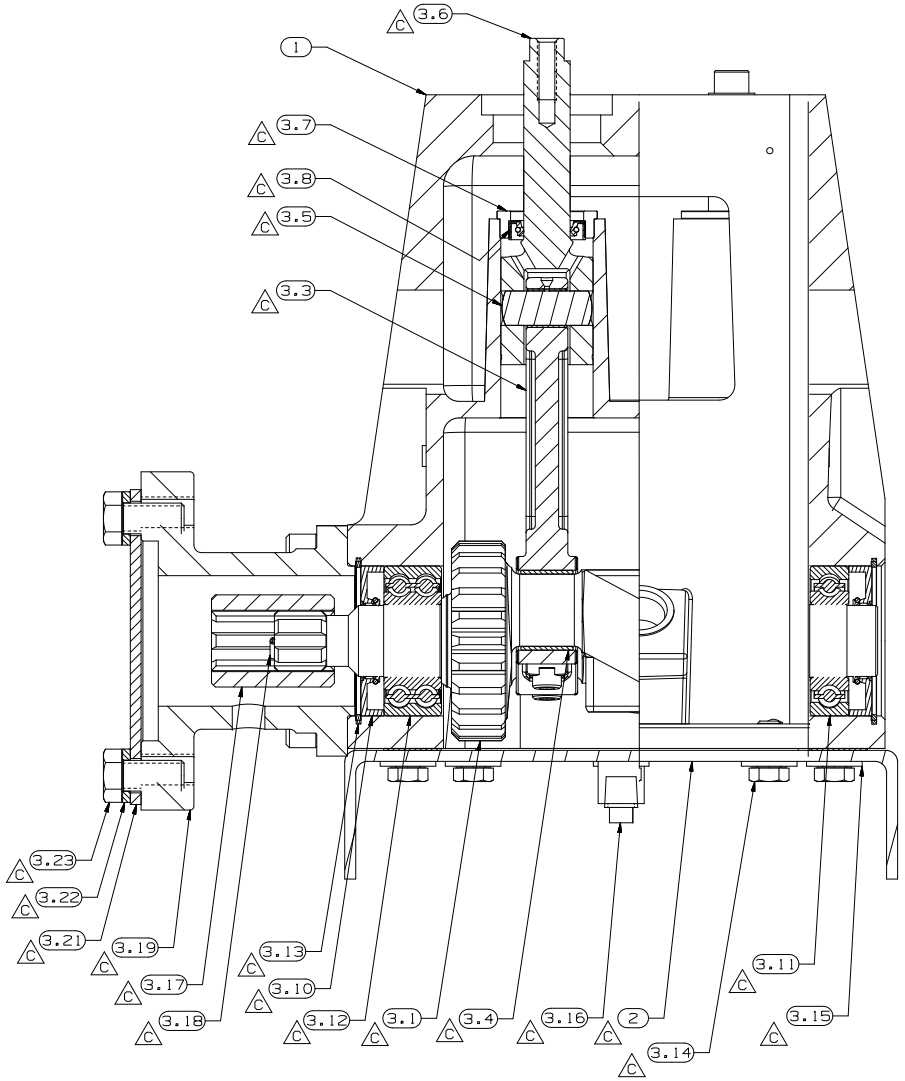
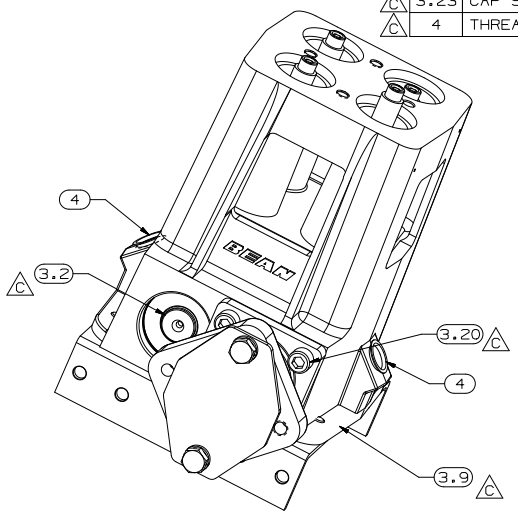
NOTES:

1 LINE UP THE TIMING MARKS ON THE GEARS AND CHECK THE POSITION OF CRANKS SO THAT WHEN THROWS ON ONE CRANK ARE VERTICAL, THE THROWS ON THE OTHER CRANK ARE HORIZONTAL.

2 APPLY LIGHT OIL TO CONNECTING ROD BEARINGS, WRIST PINS AND CROSSHEADS.





ITEM	DESCRIPTION	QTY
1	POWER FRAME:	1
2	MOUNTING BASE:	1
3.1	CRANKSHAFT: E04,HEAVY DUTY, DRIVE, SAE 6B SPLINE	1
3.2	CRANKSHAFT: E04, HEAVY DUTY, DRIVEN	1
3.3	CONNECTING ROD:	4
3.4	ROD BEARING: HALF SHELL	8
3.5	WRIST PIN:	4
3.6	CROSSHEAD:	4
3.7	SEAL HOLDER:	4
3.8	SEAL: PONY ROD	4
3.9	GASKET:BASE	1
3.10	OIL SEAL:	4
3.11	BALL BEARING: SINGLE ROW	3
3.12	BALL BEARING: DOUBLE ROW	1
3.13	RETAINING RING:	4
3.14	CAP SCREW: HEX HEAD, 3/8 X .75 LG	12
3.15	WASHER: BELLEVILLE, 3/8	12
3.16	PIPE PLUG: 1/4" NPT	1
3.17	COUPLING: 1" SAE 6B SPLINE	1
3.18	PIN, SPRING: SLOTTED	1
3.19	FLANGE: E04, SAE A 4-BOLT	1
3.20	CAP SCREW: HEX SOC HEAD, 1/2 X 1.00 LG	4
3.21	PROTECTIVE COVER:	1
3.22	LOCK WASHER: REGULAR, 1/2	2
3.23	CAP SCREW: HEX HEAD, 1/2 X 1.00 LG	2
4	THREAD PROTECTOR: CAPLUGS #T-12	2

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UNLESS OTHERWISE SPECIFIED
DO NOT SCALE THIS DRAWING
ALL DIMENSIONS ARE IN INCHES [MM]
BREAK SHARP EDGES .015 [.381] MAXIMUM
INSIDE CORNER RADII .030 [.762] MAXIMUM
THREADS CONFORM TO FEDERAL STANDARD H-28
TAPERED THREADS CONFORM TO API 6A
BOLT HOLES MUST STRADDLE COMMON CENTERLINE
FINISH 250 RMS
ALL DIA'S CONCENTRIC WITHIN .010 [.254] T.I.R.

TOLERANCE
.X ± .030 [0.762]
.XX ± .015 [0.381]
.XXX ± .005 [0.127]
ANGLE ± 0° 30'

DESCRIPTION: POWER END ASSEMBLY: E04 LH OR RH, W/1 INCH SAE 6B SPLINE & HYDRAULIC MOTOR MOUNT

DRAWN BY: WOLVERTON, JARROD	DATE: 22-MAR-2010	FMC Technologies
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DESIGN REVIEW: SINGLETERRY, RONALD	DATE: 28-JUN-2010	
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