



NOTES:

- MATERIAL: EXISTING FRONT TORQUE HOUSING 251402 Rev B USE EV-EZ FOR EXISTING DATUMS.
- ALIGN TO EXISTING DATUMS AND MACHINE NEW DATUM B.
- ADD HOLES AND DRAINS AS SHOWN. MODIFY RIBS AT C-C
- PROFILE MAY ALREADY EXIST: IF SO MEASURE AND ADVISE
- INSTRUMENTATION TO BE COMPLETED PRIOR TO ASSEMBLY PER LAYOUT DRAWINGS 1551-LY-511 AND 1551-LY-512

REV	CHANGED FROM	BY	DATE	APRD
C	REVIEWED & UPDATED PER 1509-ENC-004 IF REQUIRED	CPS	1/18/13	
D	CHANGE PER 1509-ENC-007. ADDED EXISTING DATUMS AS "E*" CHANGE M24 C'BORES TO $\phi 55$ . UPDATE BORDER	CPS	2/7/13	
E	CHANGES PER CUSTOMER REVIEW: RELEASE FOR PRODUCTION	CPS	4/9/13	
F	REPAIR DANGLING DIMENSION LEADERS, NOTES	JMG	10/18/13	
G	INSTRUMENTATION NOTE AND SECTION C-C CLARIFICATION	CPG	3/18/14	
H	COUNTERBORE DIAMETER UPDATED TO 55MM	GT	3/24/16	

REPORT ERRORS & CHANGES REMOVE ALL BURRS AND SHARP EDGES DIMENSIONS ARE IN MILLIMETERS. UNSPECIFIED TOLERANCES: DECIMALS: FINISH: ANGLES:		
X. $\pm 1.0$ .X $\pm 0.5$ .XX $\pm 0.25$	6.3 $\mu\text{m}$ Ra	$\leq \pm 0.5^\circ$
COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY		
DRAWN	JFC	DATE: 8/28/12
CHECKED	NJB	THIRD ANGLE PRJ

MODEL MADE FROM 1509-HG-003-D		
National Renewable Energy Laboratory		
TITLE: GEAR HOUSING ASS'Y		
SIZE B	DWG. NO. 254506	REV H
SCALE: 1:12	WEIGHT: 561.56 kgs	SHEET 1 OF 2

REPORT ERRORS & CHANGES REMOVE ALL BURRS AND SHARP EDGES DIMENSIONS ARE IN MILLIMETERS. UNSPECIFIED TOLERANCES: DECIMALS: FINISH: ANGLES:				National Renewable Energy Laboratory					
X. ±1.0 .X ±0.5 .XX ±0.25				6.3 μm Ra		TITLE: GEAR HOUSING ASS'Y			
COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY				SIZE B		DWG. NO. 254506		REV H	
DRAWN JFC		DATE: 8/28/12		THIRD ANGLE PRJ		SCALE: 1:8		WEIGHT: 561.56 kgs	SHEET 2 OF 2
CHECKED NJB									