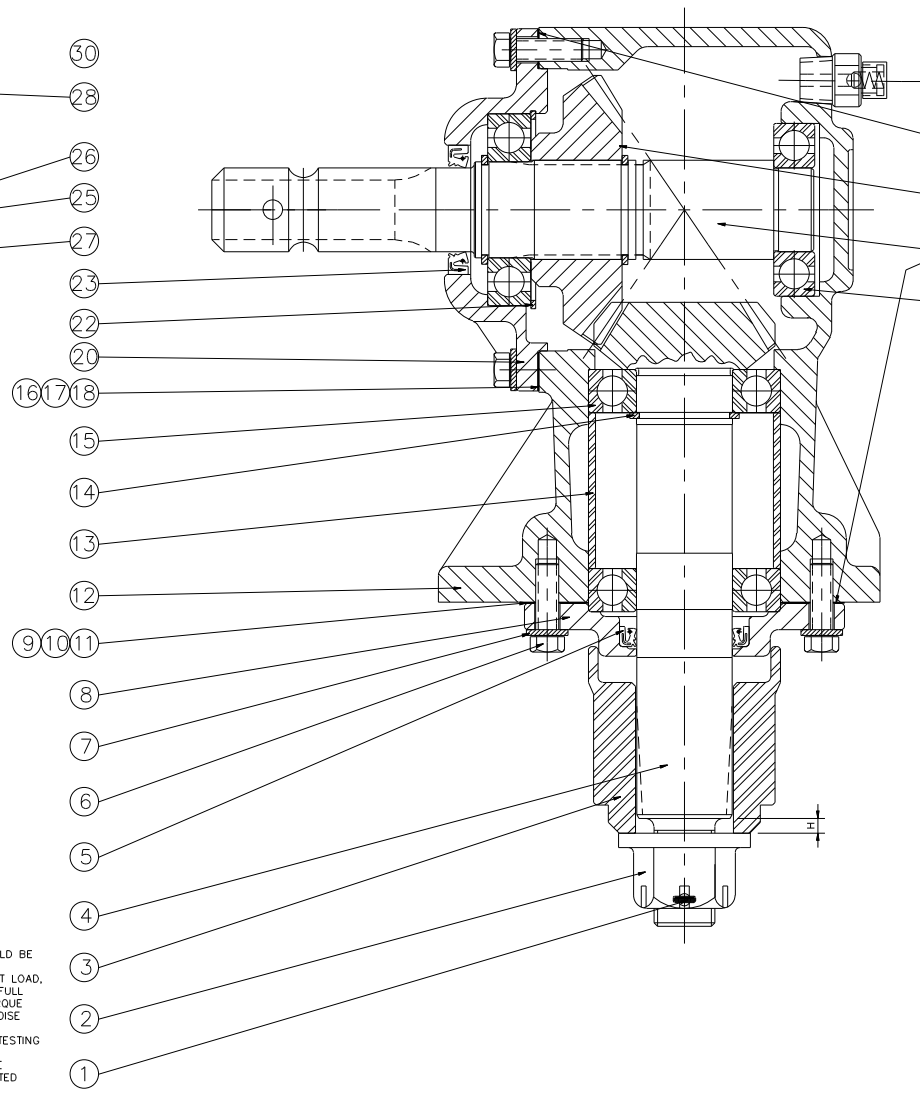
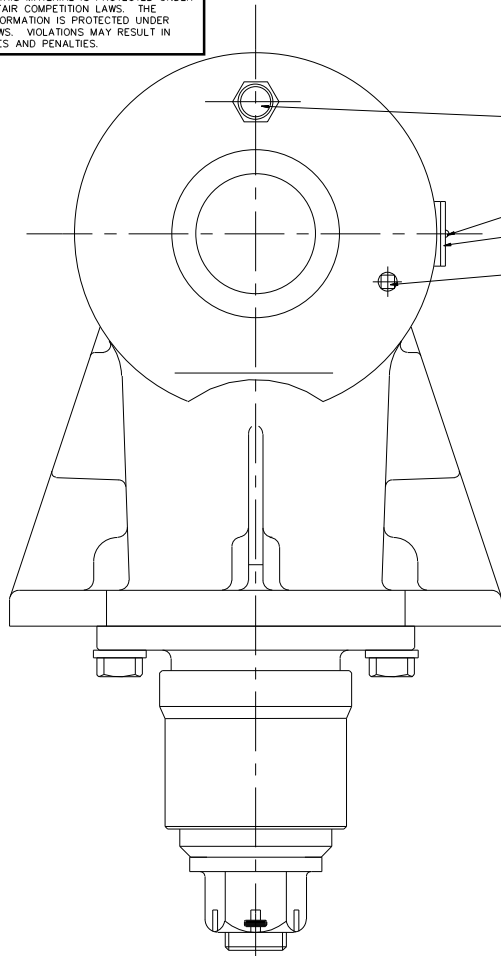


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REVISIONS		
SYMBOL	DESCRIPTION	DATE & APPROVAL



29	SEALANT, USED BETWEEN HOUSING AND CAP, PLUG.	
28	140033	1 PLUG, PRESS RELIEF
27	140017	1 PIPE PLUG
26	240001	2 RIVET 2x5
25	190028	1 I.D. TAG
24	040129	1 INPUT SHAFT
23	060002	1 OIL SEAL ϕ 34.9x ϕ 54x9.5
22	200001	1 RET. RING
21	030003	1 GEAR INPUT
20	020161	1 CAP INPUT
19	050006	1 BEARING, BALL 207K
18	070131	VAR GASKET 0.40
17	070132	VAR GASKET 0.15
16	070133	VAR GASKET 0.10
15	050007	3 BEARING, BALL 208K
14	200000	3 RET. RING
13	090000	1 SPACER
12	010001	1 HOUSING
11	070134	VAR GASKET 0.40
10	070135	VAR GASKET 0.15
9	070136	VAR GASKET 0.10
8	020003	1 OUTPUT CAP
7	130060	10 SPRING WASHER M10
6	110190	10 BOLT M10x30
5	060003	1 OIL SEAL ϕ 39.7x ϕ 54x9.5
4	030002	1 OUTPUT PINION
3	210013	1 BLADE HUB
2	120050	1 NUT
1	100001	1 COTTER PIN 5x45

- NOTES:
- 1) GEAR BACKLASH SHOULD BE 0.15-0.35mm WITH NO LOAD.
 - 2) AXIAL PLAY SHOULD NOT EXCEED 0.4mm WITH 20KG LOAD. IF NOT, PARTS AND ASSEMBLY SHOULD BE CHECKED PER REQUIREMENT, IF THEY ALL ACCORDING TO SPECIFICATION THEN THIS ASSEMBLY IS QUALIFIED.
 - 3) BOLT TORQUE OF 10 PCS OF 110000 IS 29-39Nm.
 - 4) CUT SUCH THAT 1-3 THREADS OF PLUG REMAIN EXPOSED WHEN TORQUE OF PLUG-140000 IS 20-25Nm AND TORQUE OF PLUG-140017 IS 5 Nm.
 - 5) PRESSURE TEST MUST BE PERFORMED, THE AIR PRESSURE SHOULD NOT BE LESS THAN 65464 Pa 30 SECONDS AFTER INCREASED THE PRESSURE TO 68804 Pa.
 - 6) ALL PARTS SHOULD BE CLEANED BEFORE ASSEMBLY, BEARING SHOULD BE SOAKED IN OIL 20# (OR APPLIED WITH GREASE) BEFORE ASSEMBLY.
 - 7) DIMENSION H SHOULD BE WITHIN 4.8+0.3 AND NOT LESS THAN 4.8 mm WHEN 210013 AND 030002 MATE, AND NUT TORQUE IS 147 Nm. PARTS 210013 AND 100001 SHOULD BE

- 8) ALL ASSEMBLIES SHOULD BE TESTED WITHOUT LOAD, AND 10% OF THEM SHOULD BE TESTED WITH FULL LOAD. SPEED OF INPUT SHAFT 540 r/m, TORQUE OF OUTPUT SHAFT 179 Nm FOR 1 MINUTE. NOISE SHOULDN'T EXCEED 90db(A) AT 1m HEIGHT. ADD OIL 20# TO THE CENTER OF GEAR FOR TESTING REMOVE AFTER TESTING.
- 9) PRIME HOUSING AND CAP, SHAFT SHOULD BE COVERED WITH PLASTIC TUBE AFTER BE PAINTED WITH ANTRISTRUIT PAINT.
- 10) ORIGINAL RECORDS OF CHEMICAL COMPONENT AND MECHANICAL PERFORMANCE OF MATERIAL SHOULD BE KEPT.
- 11) STAMP MANUFACTURING DATE ON I.D. TAG 190028 AFTER ASSEMBLY INSPECTED OK.

DET PART NO. QTY DESCRIPTION

OMNI GEAR®

TITLE ASSEMBLY RC-30 SERIES (1.47:1)

DRAWN BY ZHH
 APPROVED BY
 DATE 19 AUG 99

SCALE NTS ACAD REF. NUMBER 25-250179-S OMNI DWG. NUMBER 250179 REV -

CONFIRMED 9489-950123-DS