

OPERATION

COOL OIL FLOWS FROM THE RESERVOIR THROUGH A FILTER INTO THE TOP BEARING LUBRICATING THE GEARBOX BEARINGS AND GEARS. OIL IS PUMPED FROM THE GEARBOX BY THE PLANET GEARS MESHING WITH THE RING GEAR. OIL MAY BE ADDED WHILE THE DEGASSER IS IN OPERATION. CHANGE THE OIL EVERY 1000 HOURS OF OPERATION

WITH THE ARROW ON THE WRENCH FLAT POINTING DOWN THE FLOAT SWITCH WILL BE OPEN (NO POSITION) WHEN THE OIL LEVEL IS AT OR ABOVE THE LOWER SITE GLASS AND CLOSED (NC POSITION) WHEN THE OIL LEVEL IS BELOW THE LOWER SITE GLASS.

WHEN THE FLOAT SWITCH IS INSTALLED WITH THE ARROW POINTING UP, THE SWITCH WILL BE IN THE CLOSED (NC POSITION) WHEN THE OIL LEVEL IS AT OR ABOVE THE LOWER SITE GLASS AND OPEN (NO. POSITION) WHEN THE OIL LEVEL IS BELOW THE LOWER SITE GLASS

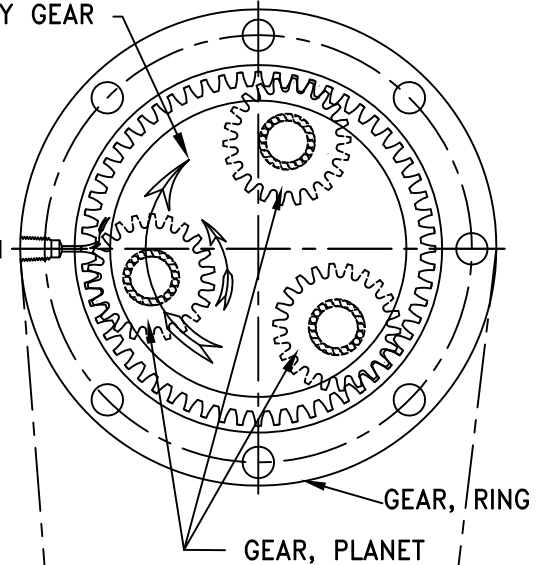
APPLY THREAD COMPOUND, HAND TIGHTEN PLUS ONE TURN. DO NOT OVER TIGHTEN

JUNCTION BOX
EC-TYPE EXAMINATION
CERTIFICATE NUMBER
INERIS 03ATEX0048
EX II 2 GD EEX d IIC T6
EEX d IIC T6 T85° C IP65

SWITCH ARROW LOCATED ON WRENCH FLAT

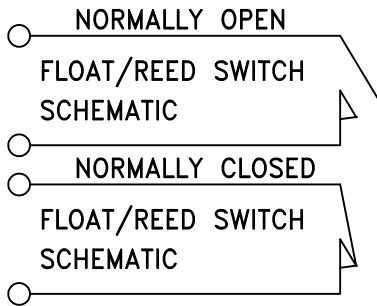
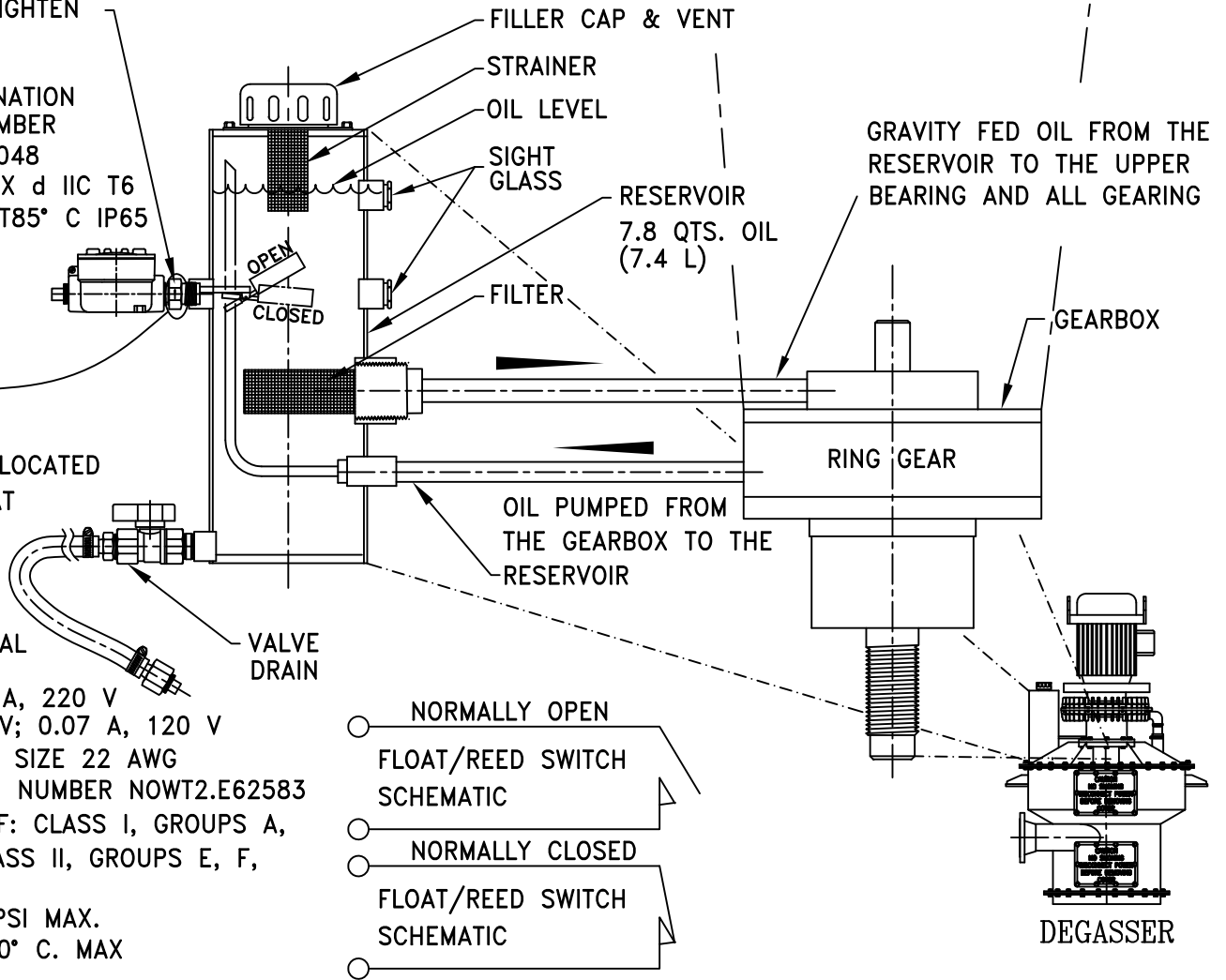
FLOAT SWITCH
SWITCH ELECTRICAL
RATING MAXIMUM
AC: 30 W, 0.14 A, 220 V
DC: 0.28 A, 24 V; 0.07 A, 120 V
CABLES, QTY 2, SIZE 22 AWG
UL CERTIFICATION NUMBER NOWT2.E62583
EXPLOSION PROOF: CLASS I, GROUPS A, B, C AND D; CLASS II, GROUPS E, F, AND G; CLASS III
PRESSURE; 300 PSI MAX.
TEMPERATURE 200° C. MAX

CARRIER,
PLANETARY GEAR



OIL PUMPED TO RESERVOIR BY MESHING OF PLANET GEARS AND RING GEAR

GRAVITY FED OIL FROM THE RESERVOIR TO THE UPPER BEARING AND ALL GEARING



D	11JULY11	ADD SCHEMATIC; REORIENT; ECR 1247	GDM		
C	18SEPT07	ADD DRAIN HOSE, MOVE SWITCH; ECR 1062	GDM		EST. WT.
REV.	DATE	DESCRIPTION	BY	CHK'D	

BURGESS MANUFACTURING, LTD.

TITLE LUBRICATION SYSTEM, GEARBOX AUTOMATIC

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SCALE:	APP'D:	
NONE		