

Group Procedure EPS-S-007
Revision 00

SIEMENS MG SET OIL CHANGE @ BLDG 928

1.0 Purpose

- 1.1 The purpose of performing this task is to remove all the hydraulic oil (DTE-25) used in the Siemens MG Set. Total number of gals = 1180

2.0 Responsibilities

- 2.1 The Siemens Power Rm group along with the mechanical engineer assigned to the group will assist in the removal of the old oil and the installation of the new.

3.0 Prerequisites

- 3.1 Knowledgeable personnel only. Oil must be removed from tank in the basement as well as each pedestal must be pumped out individually.
- 3.2 Safety shoes
- 3.3 Safety glasses
- 3.4 Oil resistant gloves
- 3.5 Oil pump for pumping oil from each pedestal.

4.0 Precautions

- 4.1 All power for the lift pumps and circulating pumps must be LOTO.
- 4.2 No smoking in area is allowed.
- 4.3 Place drip pans under each hose connection.

5.0 Procedure

- 5.1 Have the following absorbent materials available.
 - 5.1.1 Speedy-dry
 - 5.1.2 Pigs
 - 5.1.3 Mats
 - 5.1.4 Drip pans
 - 5.1.5 Rags
- 5.2 Pump oil from tank and each pedestal in temporary storage tank outside. We will send this oil to plant engineering to be burned.
 - 5.2.1 Pump oil out of pedestal #1 approx. 140 gals
 - 5.2.2 Pump oil out of pedestal #2 approx. 50 gals
 - 5.2.3 Pump oil out of pedestal #3 approx. 50 gals
 - 5.2.4 Pump oil out of tank approx. 942 gals
 - 5.2.5 Clean pedestals and oil tank with kerosene.
 - 5.2.6 Flush pedestals and oil tank with some new oil.
 - 5.2.7 Pump new oil into system using pedestal # 3 and let it overflow into the return pipe for pedestal #3 which flows back to tank.

- 5.2.8 When the oil tank is full. Stop the adding new oil to the system and remove the LOTO of the lift pumps and circulating pumps. Then turn them on so oil is pumped up to all pedestals.
- 5.2.9 Then after the pedestals have been filled with oil (look at sight glass hole on each pedestal) add any necessary oil thru the return pipe of pedestal #2 until the tank is now full to the normal level

6.0 Documentation

- 6.1 Keep a log maintenance book to keep track of the frequency of oil changes.(minimum every 5 years)
- 6.2 Fill out a waste form so oil can be sent to plant for burning. Note: oil may have to be sampled first before it can be burned. Talk to safety office for further details.

7.0 References

- 7.1 None

8.0 Attachments

- 8.1 None

