

HOMewood PRODUCTS CORPORATION

O.E.M. FOR THE WESTINGHOUSE DH AIR CIRCUIT
BREAKER LINE

LUBRICATION RECOMMENDATIONS

HOMewood PRODUCTS
RECOMMENDATIONS FOR LUBRICATION OF
WESTINGHOUSE TYPE DH BREAKERS

REVISED 1/2012

LUBRICATION RECOMMENDATIONS

HOMEWOOD PRODUCTS' RECOMMENDATIONS FOR LUBRICATION OF WESTINGHOUSE TYPE DH BREAKERS

INTRODUCTION

Over the years, the recommendations for lubrication of Westinghouse Type DH air circuit breakers have changed. The instruction booklets have stated recommendations using Westinghouse standards, part numbers, and obscure names. Some of these products are no longer available, have a different brand name, and are difficult to locate.

In an effort to reduce confusion on the subject of lubrication, Homewood Products the O.E.M. for Westinghouse DH air circuit breaker line is making recommendations for substitutions for the lubrications originally suggested in the Westinghouse instruction booklets.

Any questions or suggestions about lubrication practices can be directed to Homewood Products by calling 800-777-1172.

RECOMMENDATIONS

A grease, which has been recommended in the past, is Molybdenum Based Grease Westinghouse number 8577-2. This particular item is obsolete. Homewood now recommends using Dow Corning Molykote BR-2 Plus grease when performing overhauls and Rycon 32 on inspection intervals.

At various points in the instruction booklets, light machine oil is recommended for maintenance intervals and pivot-points. Homewood Products recommends that WEMCO C can be used for this purpose. However, Rycon 32 oil can be used in its stead. Turbine oil is the preferred lubricant.

Oil should not be used in dusty and dirty areas. Oil has the tendency to catch and hold grit near bearings and latches and cause faster wear. In these locations, Westinghouse instruction books recommended the use of Molkolube powder #8565-3. This number is now obsolete. There is a kit available, style #693C500G04, which can be used in its place.

Some older publications refer to graphite grease as 1022-1 or 53701AN. The number 53701AN is the same as 1022-1. The number 53701AN is just a new reference number. These are both graphite greases and can be ordered from Homewood Products using the style number 28B3402H19.

In the past, Westinghouse has recommended using a 600-W, a semi-fluid grease, for use on worm gears or the levering-in device. Homewood Products now recommends using Dow Corning Molykote BR-2 Plus grease. This is better than using a white lithium grease.

Westinghouse lubricant No. 9921-4 was recommended for use on DH breakers with the Type SE-2 mechanisms. It was recommended that this grease be used on the pins and bearing surfaces of the cam link, the main pin through the trip free and non-trip free levers, the slotted link, the upper and lower trip free links, the crankshaft journals and pins, and all of the spring wind-up linkage. This lubricant is still recommended. It is a high soap content grease. The number is no longer available.

Use Beacon Lubricant 325, Shell Alvania II. Shell Darina SD 2 has a higher melting point with a bentonite clay thickener and can and also be used.

Some questions have arisen about whether Molykote BR-2 Plus is the same as Molybdenum Disulfide Grease (BR-2). These two greases are the same and can be used interchangeably.

SUMMARY

Here is a simplified outline of all lubrication topics discussed above.

1. Westinghouse grease #8577-2 is obsolete. Amaco Molyth is also obsolete. Use Dow Corning Molykote BR-2 Plus grease for overhauls and Rycon 32 or turbine oil for inspection intervals.
2. Where light oil is recommended, use WEMCO C, Rycon 32, or Turbine oil. This is only acceptable for topical maintenance procedures. Rebuilds require the application of correct lubricant during assembly.
3. For bearings and latches in dusty or dirty areas, use Molybdenum Disulfide kit style #693C500G04.
4. Graphite grease can be referred to as 1022-1 or 53701AN. These are the same and can be ordered using style #28B3402H19.
5. For worm gears or the levering-in device, use Dow Corning Molykote BR-2 Plus.
6. For DH breakers with Type SE-2 mechanisms, Use Beacon Lubricant 325, Shell Alvania II or Shell Darina SD 2.
7. Molykote BR-2 and Molybdenum Disulfide Grease (BR-2) are the same.
8. For the main moving solenoid bore in solenoid operated breaker and the shock absorber or dampener bore in all use Graphite grease #26B3402H19.
9. All the lubricants discussed are natural products.