

HOMWOOD PRODUCTS CORPORATION

LUBRICATION RECOMMENDATIONS

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RECOMMENDATIONS FOR LUBRICATION OF
WESTINGHOUSE TYPE DH BREAKERS

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INTRODUCTION

Over the years, the recommendations for lubrication of Westinghouse Type DH air circuit breakers have changed. The instruction booklets from the 32-150 and 32-251 series 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/or are difficult to locate.

In an effort to reduce confusion on the subject of lubrication, Homewood Products is making recommendations for substitutions for the lubricants originally suggested in the Westinghouse instruction booklets.

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

RECOMMENDATIONS

A grease that has been recommended in the past, is Molybdenum Based Grease Westinghouse number 8577-2. This particular item is obsolete. Homewood now recommends using Molyolith grease when performing overhauls and Rycon 32 at 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 be used for this purpose. However, Rycon 32 oil can be used as a substitute. SAE 30 oil can also be used.

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, that 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 order from Homewood Products using the style number 28B3402H19.

In the past, Westinghouse has recommended using 600-W, a semi-fluid grease, for use on worm gears or the levering-in devices. Homewood Products now recommends using Amoco Polyolith 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 No. 9921-4 is no longer available. Use Beacon Lubricant 325 or Shell Alvania II.

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. Amoco Molyth grease can be used for BR-2.

On a special note of compatibility, do not mix Molybdenum Disulfide with Lithium grease. These two greases are not compatible and will harden if mixed together.

SUMMARY

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

1. Westinghouse grease #8577-2 is obsolete. Use Molyth grease for overhauls and Rycon 32 for inspection intervals.
2. Where light oil is recommended, use WEMCO C, Rycon 32, or SAE 30.
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 Amoco Polyth grease.
6. For DH breakers with Type SE-2 mechanisms, use Beacon Lubricant 325 or Shell Alvania II.
7. Molykote BR-2 and Molybdenum Disulfide Grease (BR-2) are the same. Amoco Molyth grease can also be used.
8. Do not mix Molybdenum Disulfide with Lithium grease.