

## LUBRICANT SELECTION & SPECIFICATIONS

The efficiency and useful life of mechanical equipment is as dependent on proper lubrication as on proper engineering design. The importance of proper lubrication is increased because of the greater loads and pressures imposed on present day mobile heavy equipment. For this reason, we are vitally interested in promoting widespread usage of the best possible lubricants for Allied Systems Company products. Our purpose in compiling these specifications is to provide a guide to aid in the selection of a lubricant that will give the most satisfactory service.

Because many brands of fluid are available, it is not practical to test each one. Selecting the correct fluid should be done with the help of a reputable oil supplier who is responsible for the quality of the fluid. Our lubricant recommendations are based on commercial products that have given satisfactory results in normal operation. In all cases, the lubricant supplier assumes all responsibility for the performance of his product and for product liability.

When changing fluids use the following guidelines:

- Add only filtered fluids.
- It is important to service filters and breathers at the hourly intervals stated in the Operator's Manual supplied with the machine.
- If adding lubricants other than what is currently in the reservoir, a warranty of compatibility should be obtained from the oil supplier.
- When the fluid is changed due to changes in ambient temperatures, the system should be completely drained and the fluid replaced.

Listed below are the lubricants used for initial factory fill:

ENGINE - Caterpillar & Cummins.....	Mobil Delvac 1300 Super 15W-40
TRANSMISSION/CONVERTER - ALL .....	Mobilfluid 424
DRIVE AXLE - All Logstackers .....	Mobilube HD 80W-90
- Chipdozers/Coaldozers .....	Mobilube HD 85W-140
- Clark Posi-Torque Differentials .....	Lubrizol #6178 Additive
HYDRAULIC SYSTEM (Dry Disk Brake Units).....	Mobil DTE-10 Excel 32
HYDRAULIC SYSTEM (Wet Disk Brake Units) .....	Mobilfluid 424
* HYDRAULIC BRAKE SYSTEM .....	Mobil Multi-Purpose ATF
GENERAL CHASSIS LUBRICATION .....	Mobilgrease Special No. 2
DRIVELINE - Slip Yoke Splines/Cross Assembly .....	Mobilith SHC 220 Grease

\* Used before S/N CHD100-290 and CD1000-131

The above lubricants will be used on all WAGNER units unless the sales order specifies that the unit is to be operated in extreme climatic conditions.

Allied Systems Company requires that lubricants meet, or exceed, the specifications of the oils listed above to avoid component failure and for warranty consideration. If a cross reference to Mobil Oil Corporation specifications is required, please consult your local lubricant dealer.