

SITEWORKS SYSTEMS SWS #62 Date: October 13, 2011

Hydraulic Fluid Specification Change

PRODUCT: Compact Utility Loaders and Hydraulic Tree Care Products

UNITS AFFECTED: Model Number(s): ALL

TORO.

Serial Number(s): ALL

<u>SUBJECT</u>: Toro is no longer using diesel engine oil as hydraulic fluid in the Sitework Systems product lineup.

The latest diesel motor oil API specification, CJ-4, has a reduced amount of ZDDP antiwear additive and no longer meets the hydraulic system requirements for Sitework Systems products.

<u>CORRECTION</u>: All models now use Toro premium all-season hydraulic fluid (Mobil DTE-15M Special), which is blended for and available through The Toro Company. The oil contains a red dye to highlight any leaks that may occur.

Previous specification diesel engine oil with API Grades CH-4 or CI-4 can still be used.

Premium transmission / hydraulic tractor fluid (Mobil 424 Tractor Fluid) is also an approved fluid for use and is available from The Toro Company and other sources. These fluids are compatible and can be mixed together.

Toro will send a letter, included with this bulletin, to registered owners of Sitework Systems equipment explaining the change in recommended hydraulic fluid along with information decals to place on their machine and operator manual. We will also send you a paper copy of this bulletin with a supply of decals for your use.

Routina	Svc Mgr	Tech 1	Tech 2	Tech 3	Tech 4	Tech 5	Parts Mgr	Sales Mgr	Warranty Mgr
Initials									

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Decal content



Alternative fluids: If Toro-approved fluid is not available, other Universal Tractor Hydraulic Fluids (UTHF) may be used, but they must be <u>conventional, petroleum-based</u> products. The specifications must fall within the listed range for all of the following material properties and the fluid should meet industry standards for hydraulic fluid. Check with your oil supplier to see if the oil meets these specifications.

Note: Toro assumes no responsibility for damage caused by improper substitutions. Use only products from reputable manufacturers.

Material Properties:

Viscosity, ASTM D445: cSt @ 40°C 55 to 62 cSt @ 100°C 9.1 to 9.8

Viscosity Index, ASTM D2270: 140 – 152

Pour Point, ASTM D97: -35° to -46°F (-37° to -43°C)

Industry Tractor Fluids:

API GL-4, AGCO Powerfluid 821 XL, Ford New Holland FNHA-2-C-201.00, Kubota UDT, John Deere J20C, Vickers 35VQ25 and Volvo WB-101/BM.

WARRANTY: N/A, Information Only

<u>PARTS</u> :	Mobil DTE-15M Special							
	P/N 108-1177	Premium All-Season Hyd. Fluid	55 gallons					
	P/N 108-1178	Premium All-Season Hyd. Fluid	5 gallons *					

Mobil 424 Tractor FluidP/N 108-1183Premium Trans / Hyd. Tractor Fluid 55 gallonsP/N 108-1184Premium Trans / Hyd. Tractor Fluid 5 gallons *

* Order quantity is 10 containers



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October 2011

Dear Toro Customer:

The purpose of this letter is to inform you of a change in Toro's hydraulic oil recommendation for your Sitework Systems product(s). This is necessary due to a change in the formulation for the latest diesel motor oil API specification, CJ-4. It has a reduced amount of ZDDP anti-wear additive and no longer meets the hydraulic system requirements for Sitework Systems products.

Approved Hydraulic Fluids:

- Premium All-Season Hydraulic Fluid (Mobil DTE-15M Special), which is blended for and available from The Toro Company through your dealer. This fluid is now our factory original equipment hydraulic oil and contains a red dye to help in locating oil leaks that may occur.
- Premium Transmission / Hydraulic Tractor Fluid (Mobil 424 Tractor Fluid), also available from The Toro Company through your dealer, and other sources.
- Previous specification diesel engine oil, API Specification CH-4 or CI-4.

These fluids are compatible and can be mixed together. In the event that none of these fluids is readily available please contact your local Sitework Systems dealer for possible alternative "industry equivalent" fluid.

The information provided in the equipment Operator's Manual no longer lists the correct information on the type of hydraulic fluid to use. Included with this letter are two decals with the new hydraulic fluid recommendation. Place one on the Operator's Manual cover and one on the unit by the hydraulic oil fill cover to remind you of this change.

Sincerely,

Toro Customer Care