



Product Support Bulletin 2010-009

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Maintenance of Way ~ Work Equipment Bulletin

DATE: August 12, 2010

SUBJECT: Oil Tank Diffuser Kit – 98760084

RATING: **DIRECTIVE**
(Action is required)

ALERT
(Potential Problem)

INFORMATION
(Action is optional)

PRODUCT IMPROVEMENT
(Enhance Product)

**MACHINE
MODEL(S):** TRIPP Tie Exchanger

**SERIAL
NUMBER(S):** 760125-760366

SUMMARY: Several premature pump failures have been reported on these machines. The failures have been determined to be due to cavitation caused by 2 factors: Aeration of the hydraulic oil and low hydraulic oil levels.

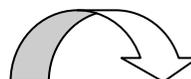
Aeration in the hydraulic tank occurs when the oil returning to the hydraulic tank enters the tank above the oil level. This condition is made even worse when the oil level is below the minimum recommended level. **Oil Tank Diffuser Kit, p/n 98760084**, is available to reduce aeration of the hydraulic oil. The kit also includes plaques to clearly indicate the correct oil level in the hydraulic tank.

**OPERATIONAL
IMPACT:**

Pump failure will result in the machine being completely out of service since none of the hydraulic functions, including propulsion, will be operational. This machine has 2 hydraulic pumps, and while the machine can work on 1 pump, operation will be much slower and is not recommended. While it is rare to have both pumps fail at the same time, it is possible for this to occur.

ACTION: The 98760084 Oil Tank Diffuser Kit consists of 2 each 8090223 Return Oil Diffuser, 1551439 1-1/2" x 3-1/2" Pipe Nipple, 1520067 Pipe Coupling and 56400110 Oil Level Plaque.

The kit is easily installed by removing the Hydraulic Tank Return Line Filter from the top of the Hydraulic Tank and attaching the Pipe Coupling, Pipe Nipple and Diffuser to the end of the Filter as shown in Figure 1 on Page 2. The Filter is then reinstalled in the Hydraulic Tank. This must be done on both tanks.



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ACTION (cont.): The Oil Level Plaques are installed so the point of the arrow is 1" below the "FULL" mark on the Oil Level Sight Glass as shown in Figure 2 on Page 3. **Be sure to follow all Lock Out/ Tag Out procedures before installing this kit.**

WARRANTY: Oil Tank Diffuser Kits will be supplied under warranty for all machines built in 2009 or later. This includes machines with serial numbers 760334 through 760366 and rebuilt TRIPP s/n 760324RBUG. Machines with serial numbers 760367 and higher have the kit already installed and do not require modification.

Contact the Nordco Service Department at 800-445-9258 to order warranty kits. Please have the machine serial number available when calling. No warranty kits will be supplied without a machine serial number. Warranty kits will be available until October 31, 2010.

To order kits for machines that are not covered under this warranty, please contact the Nordco Parts Department at 800-647-1724 and order Oil Tank Diffuser Kit 98760084.

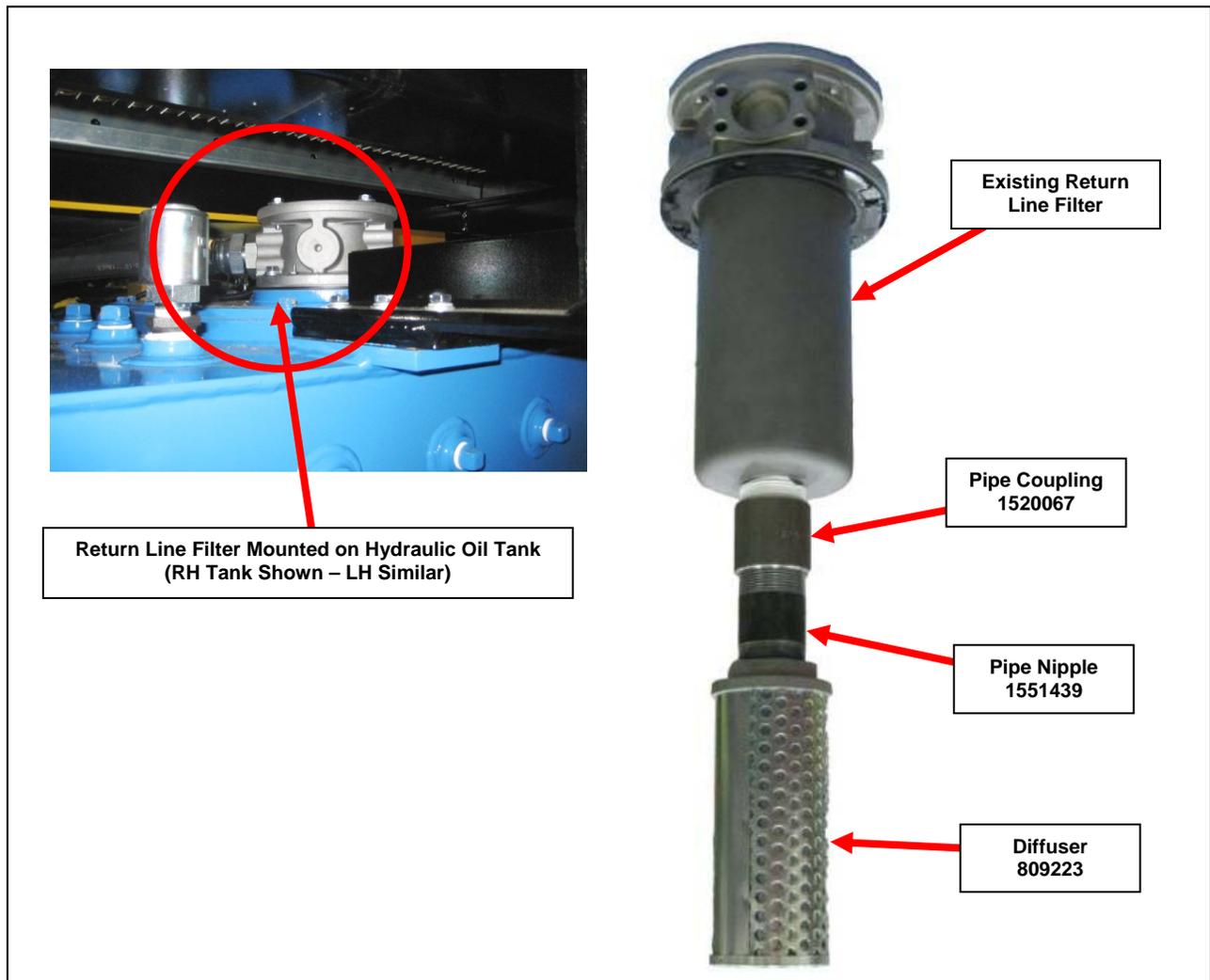


Figure 1
Diffuser Kit - 98760084

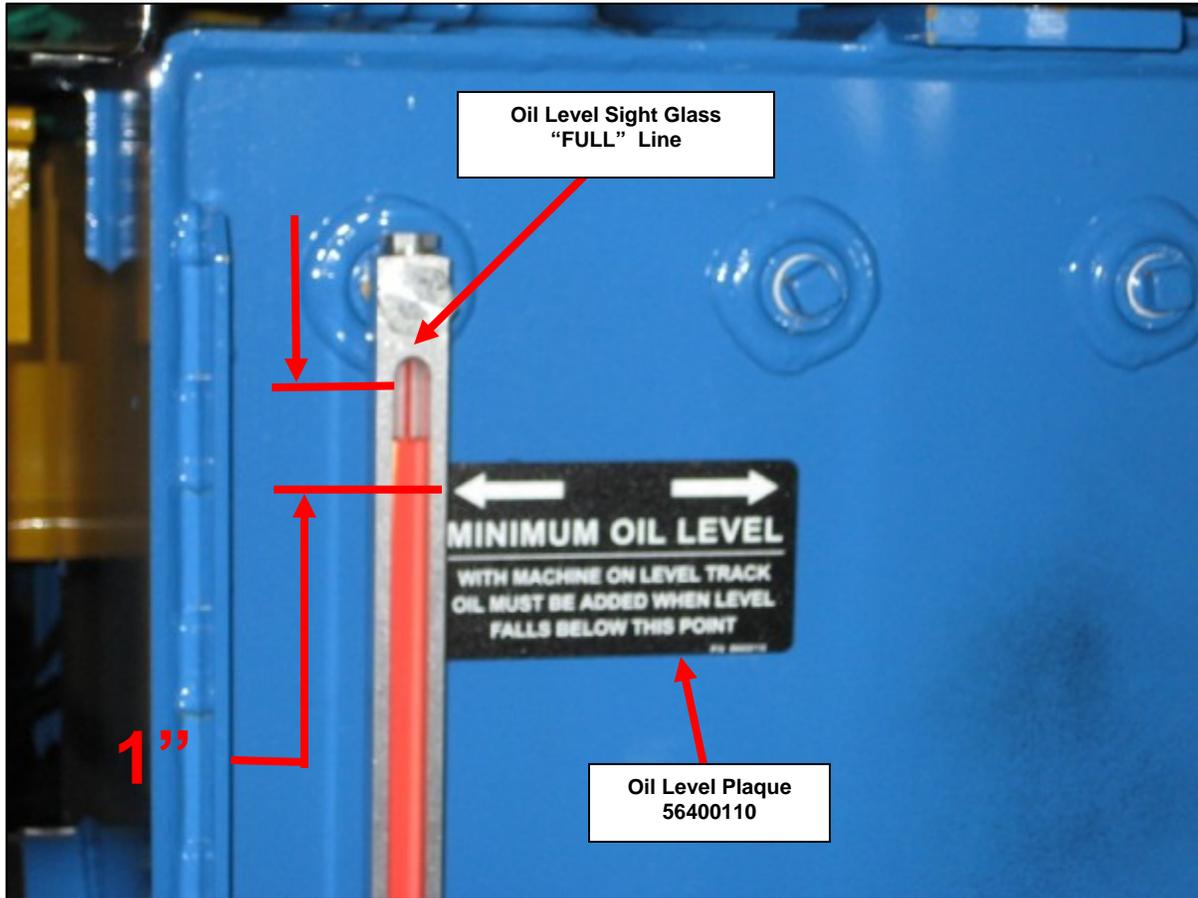


Figure 2
Location of Oil Level Plaque 56400110 – LH Tank Shown, RH Similar