

A tractor that works when work needs to be done, that's what it's

Are you able to do your job? Sowing, reaping, mowing...or is your tractor at the dealer again for another costly repair on the hydraulic system? You'll no doubt be familiar with failures of the hydraulic circuit; intermittent operation, poorly closing valves and sometimes even a sudden breakdown in the field?

Reliability = making money. We all know this, but how do we achieve it...?

Since operating conditions in agriculture are often dusty and dirty, the oil in the hydraulic system of the rear axle gets contaminated by large amounts of silicon and other abrasive dirt particles.

Imagine the quick-release couplings of disconnected farming implements lying on the ground, and those on the tractor covered with dirt. When you connect the implements to the tractor, an enormous amount of dirt is released into the hydraulic system of your expensive tractor. In addition, most tractors are fitted with a "wet-brake" system; the unavoidable wear particles of the brakes are also launched into the oil. The result is obvious; a loss of productivity and costly repairs, because of hydraulic malfunctions.

Many tractor operators have acknowledged these problems and installed an NTF® radial bypass filter on the rear axle of their tractor(s). The hydraulic fluids are cleaned down to 0.5 micron with a 99,97 % efficiency. The result; continuous clean oil in the tractor and direct filtration of the contaminated oil originating from the implements.

Just ask you colleagues about their positive experiences!



Concrete Advantages of Cleaner Oil:

- Fewer breakdowns
- Less wear and tear
- Longer oil life
- Frequency of servicing can be reduced
- Structural cost savings
- Longer service life of equipment
- Improved performance
- Environmentally friendly



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Technical Specifications

Filter type	ATF-09	AL-09	AL-19	AL-29	AL-58
Oil volume engine	appr. 5 liter	appr. 10 liter	appr. 20 liter	appr. 35 liter	appr. 70 liter
Oil volume transmission	appr. 10 liter	appr. 15 liter	appr. 30 liter	appr. 50 liter	appr. 100 liter
Dimensions	Ø 94 x 135 mm	110 x 110 x 144 mm	110 x 110 x 234 mm	110 x 110 x 354 mm	110 x 110 x 654 mm
Weight	0,7 kg	1,5 kg	2,2 kg	3,2 kg	6,4 kg
Volume	0,28 liter	0,62 liter	1,13 liter	1,6 liter	3,2 liter
Connection IN / OUT	M10 x 1	M12 x 1,5	M12 x 1,5	M12 x 1,5	M12 x 1,5
Max. pressure	7 bar	7 bar	7 bar	7 bar	7 bar
Max. temperature	120 °C	120 °C	120 °C	120 °C	120 °C

Filter cartridge	C-09	F-09	F-19	F-29	F-58
Flow direction	radial	radial	radial	radial	radial
Weight	50 g	160 g	300 g	460 g	920 g
Filter surface	150 cm ²	221 cm ²	442 cm ²	735 cm ²	1470 cm ²
Filter efficiency	Beta (β) 4 > 10649	Beta (β) 4 > 10649	Beta (β) 4 > 10649	Beta (β) 4 > 10649	Beta (β) 4 > 10649
Dimensions	Ø 51 x 90 mm	Ø 78 x 90 mm	Ø 78 x 180 mm	Ø 78 x 300 mm	Ø 78 x 600 mm
Seals	Buna NBR 70°	Buna NBR 70°	Buna NBR 70°	Buna NBR 70°	Buna NBR 70°
Absorption capacity	30 ml H ₂ O	45 ml H ₂ O	90 ml H ₂ O	142 ml H ₂ O	284 ml H ₂ O
Flow rate (nom.)	1,6 l/min	1,6 l/min	1,6 l/min	1,6 l/min	1,6 l/min



NTF[®] Radial Micro Filters have proven their value in:

- Engines and automatic transmissions on cars, trucks, busses, fork lifts, tractors, ships, excavators etc.
- Powershifts on tractors
- Stationary engines on pumps, generator sets etc.
- Several fuel applications

Superior filtration to improve your performance



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NTF FILTER B.V.

Kiotoweg 47
3047 BG Rotterdam
The Netherlands
Phone: +31(0)10-3138300
Email: info@ntf-filter.com

NTF Micro Filtration, Inc.

28221 Beck Road, Bldg A-1
Wixom, Michigan 48393
USA
Phone: +1(248)449-8700
Fax: +1(248)449-8706
Email: info@ntf-filter.com

Dealer

