

IT'S NOT EASY BEING GREEN... UNTIL NOW!

New EnviroFluid™ Spiral-Wire Hose from Gates



NEW ENVIROFLUID™ SPIRAL-WIRE HOSE

Handles even the most aggressive biodegradable fluids with ease!

Biodegradable fluids are great for the environment, but tough on hoses. They seep through ordinary hose tubes, causing cover blisters and sweat. The result — premature and expensive hose failures.

But not any more. Introducing new EnviroFluid™ spiral-wire hose from Gates. Like Gates industry proven nitrile tube stock that's used in all our wire-braid hose, it's specially designed to handle biodegradable hydraulic fluids and other aggressive oils like synthetic esters, polyglycols and vegetable oils.

What's the secret? It's an inside job!

The secret is its nitrile tube. It's tough enough to handle biodegradable fluids at operating temperatures up to 250°F (120°C) without any loss of performance. Plus, it offers significantly lower permeation than neoprene tubes when used with petroleum-based oils.

High-pressure performance!

EnviroFluid spiral-wire hose offers all of the performance of Gates C12M, G3K, G4K, G5K and G6K hoses, including:

- Identical working pressures
- High temperature resistance
- Exceptional flexibility
- Tight bending radius
- Applicable SAE and EN standards

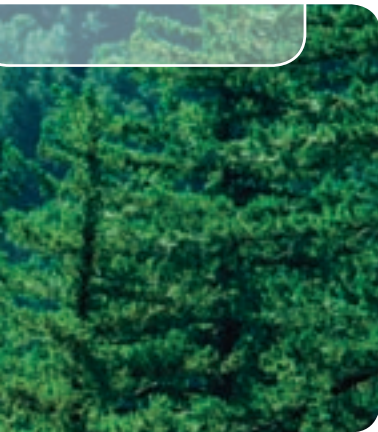
Coupling is easy, too, since EnviroFluid spiral-wire hoses use no-skive GlobalSpiral™ couplings, just like other Gates spiral-wire hoses. And they've been tested to 1 million impulse cycles at 250°F (120°C) without failure.

Keeping the environment clean!

Gates is committed to providing additional environmentally friendly products and manufacturing processes. Our efforts include:

- Eliminating lead from our hose and hose manufacturing process
- Removing harmful hexavalent chromium from our couplings with TuffCoat® plating
- Reducing excess packaging by using reusable containers for some products
- Recycling plastic materials from our hose sheath-cure process into our hose reels
- Working toward eliminating all lead content from our couplings

*With Gates new EnviroFluid spiral-wire hose, protecting the environment **and** saving money has never been easier.*





ENVIROFLUID™ HOSE OIL COMPATIBILITY CHART

For other oils, contact your local Gates representative or the Gates Hydraulic Product Application Department at 303-744-5070.



<i>Hydraulic Fluid</i>	<i>Company/Distributor</i>	<i>Chemical Description</i>
Aseol Terra 16-783	Shell	Synthetic ester
Avia Syntofluid N46	Avia	Synthetic ester
Binol Hydra P 1145	Binol AB	Vegetable oil
Biosafe 46SE	Raisio	Modified rapeseed
Biostar 32	Texaco	Vegetable oil
Biostar 46	Texaco	Vegetable oil
Biotec Alpin 22 (VG22)	Castrol	Vegetable oil
Biovinol HTG46		Vegetable oil
BP Bartran HV 68	British Petroleum	Mineral oil
BP Biohyd SE-S	British Petroleum	Synthetic ester
Echina 30	Exxon	Mineral oil
Econa 46	SMA Maskin AB	Polyolester (DEA)
Elf HV-46	Elf	Mineral oil
Elf Oil 15W40	Elf	Mineral oil
Hydra 32	Texaco	Synthetic ester
Hydra 46	Texaco	Synthetic ester
Hydraway Bio ES46	Statoil Lubricants	Synthetic ester
Hydraway Bio PA46	Statoil Lubricants	Olefine ester
Hydraway Bio PA22	Statoil Lubricants	Synthetic ester
Hydraway Bio VE46	Statoil Lubricants	Vegetable oil
Hydrobio 46	Total	
Hydrolub Bio46		Synthetic ester
Idraulicar BS46	Viscosity Oil	Synthetic ester
Igol Biolube HETG 346	Igol	Vegetable oil
Igol Matic BioV15	Igol	
Igol Matic ZN S	Igol	Mineral oil
Igol Synthebio HS46	Igol	
Mobil 15W40	Mobil	
Mobil Flowrex EA146	Mobil	Synthetic ester
OK Biohydraul	Preem Petroleum AB	Synthetic ester
OK Biohydraul ES	Preem Petroleum AB	Vegetable oil
Panolin HLP-46	Panolin AG	Synthetic ester
Panolin HLP Synth 22	Panolin AG	Synthetic ester
Plantohyd 40N	Bay Wa AG MM	Vegetable oil
Plantohyd S-HV	Bay Wa AG MM	Synthetic ester
Q8 Hill Bio 32-68	Q8	Vegetable oil
Q8 Holbein Bio Plus	Q8	Synthetic ester
Rando HD140	Texaco	Mineral oil
Royco 768	Syltone	Synthetic ester
Shell Naturelle ES46	Shell	Synthetic ester
Shell Naturelle HF-E46	Shell	Synthetic ester
Shell Naturelle HF-M	Shell	Vegetable oil
Shell Turbo T46	Shell	Mineral oil
Shell V-Oil 1404	Shell	Mineral oil
Spez Hydraulic (Atlas)		Mineral oil
TICMA Bio46	Igol	Synthetic ester
Tractorenault THFI	Elf	Mineral oil
Typhon 32	Syltone	

ENVIROFLUID™ HOSE CROSS-REFERENCE CHART

Original Part Number	Description	Product Number	PSI	Qty	EnviroFluid Part Number	Description	Product Number
70437	20C12M-MTFxCTN	4651-0589	3,000	100	70950	20EFG3K-MTFxCTN	4651-1602
70537	20G3KxCTN	4651-0540	3,000	100	70539	20EFG3KxCTN	4651-1381
70538	20G3K-MTFxCTN	4651-1265	3,000	50	70950	20EFG3K-MTFxCTN	4651-1602
85516	20C12M-MTFx25'	4651-1516	3,000	1	85490	20EFG3K-MTFx25'	4651-4004
85572	20C12Mx25'	4651-0597	3,000	1	85489	20EFG3Kx25'	4651-4003
85594	20C12Mx50'	4651-0615	3,000	1	85497	20EFG3Kx50'	4651-1434
	20C12-MTFxLL	4651-0588	3,000	200	70951	20EFG3K-MTFxLL	4651-1427
70360	6C12MxCTN	4651-0601	4,000	100	70811	6EFG4KxCTN	4651-1338
70361	8C12MxCTN	4651-0602	4,000	100	70863	8EFG4KxCTN	4651-1339
70362	12C12MxCTN	4651-0603	4,000	100	70831	12EFG4KxCTN	4651-1282
70363	16C12MxCTN	4651-0604	4,000	100	70832	16EFG4KxCTN	4651-1283
70432	6C12M-MTFxCTN	4651-0581	4,000	100	70945	6EFG4K-MTFxCTN	4651-1610
70433	8C12M-MTFxCTN	4651-0583	4,000	100	70946	8EFG4K-MTFxCTN	4651-1607
70434	12C12M-MTFxCTN	4651-0585	4,000	100	70877	12EFG4K-MTFxCTN	4651-1405
	12C12-MTFxLL	4651-0584	4,000	200	70877	12EFG4K-MTFxLL	4651-1388
70436	16C12-MTFxCTN	4651-1266	4,000	100	70948	16EFG4K-MTFxCTN	4651-1406
	16C12-MTFxLL	4651-0586	4,000	200	70727	16EFG4K-MTFxLL	4651-1389
70576	20G4KxCTN	4651-0535	4,000	50	70833	20EFG4KxCTN	4651-1284
70576	20G4KxLL	4651-0535	4,000	200	70719	20EFG4KxLL	4651-1387
70577	20G4K-MTFxCTN	4651-0568	4,000	50	70949	20EFG4K-MTFxCTN	4651-1602
70578	10G4KxCTN	4651-1352	4,000	100	70813	10EFG4KxCTN	4651-1367
70579	12G4KxCTN	4651-1263	4,000	100	70831	12EFG4KxCTN	4651-1282
70580	16G4KxCTN	4651-0534	4,000	100	70832	16EFG4KxCTN	4651-1283
70582	16G4K-MTFxCTN	4651-1266	4,000	100	70948	16EFG4K-MTFxCTN	4651-1406
70790	12C12MxLL	4651-0763	4,000	200	70717	12EFG4KxLL	4651-1385
70791	16C12MxLL	4651-1267	4,000	200	70718	16EFG4KxLL	4651-1386
85512	6C12-MTFx25'	4651-1512	4,000	1	85483	6EFG4K-MTFx25'	4651-4014
85513	8C12-MTFx25'	4651-1513	4,000	1	85484	8EFG4K-MTFx25'	4651-4015
85514	12C12-MTFx25'	4651-1514	4,000	1	85486	12EFG4K-MTFx25'	4651-4017
85515	16C12-MTFx25'	4651-1515	4,000	1	85487	16EFG4K-MTFx25'	4651-4018
85516	20C12-MTFx25'	4651-1516	4,000	1	85488	20EFG4K-MTFx25'	4651-4019
85568	6C12Mx30'	4651-1362	4,000	1	85477	6EFG4Kx25'	4651-4005
85569	8C12Mx30'	4651-1363	4,000	1	85478	8EFG4Kx25'	4651-4006
85570	12C12Mx30'	4651-1364	4,000	1	85480	12EFG4Kx25'	4651-4011
85571	16C12Mx30'	4651-1365	4,000	1	85481	16EFG4Kx25'	4651-4012
85590	6C12Mx50'	4651-1342	4,000	1	85491	6EFG4Kx50'	4651-1430
85591	8C12Mx50'	4651-1343	4,000	1	85492	8EFG4Kx50'	4651-1431
85592	12C12Mx50'	4651-1344	4,000	1	85494	12EFG4Kx50'	4651-1432
85593	16C12Mx50'	4651-0614	4,000	1	85495	16EFG4Kx50'	4651-1433
			4,000	100	70947	10EFG4K-MTFxCTN	4651-1404
			5,000	100	70871	6EFG5KxCTN	4651-1424
			5,000	100	70872	6EFG5K-MTFxCTN	4651-1436
			5,000	100	70873	8EFG5K-MTFxCTN	4651-1608
70359	8G5KxCTN	4651-1278	5,000	100	70864	8EFG5KxCTN	4651-1372
70368	10G5KxCTN	4651-1268	5,000	100	70814	10EFG5KxCTN	4651-1340
70370	12G5KxCTN	4651-1272	5,000	100	70838	12EFG5KxCTN	4651-1285
70377	16G5KxCTN	4651-0403	5,000	100	70834	16EFG5KxCTN	4651-1286
70378	20G5KxCTN	4651-0404	5,000	50	70835	20EFG5KxCTN	4651-1287
70472	10G5K-MTFxCTN	4651-1270	5,000	100	70879	10EFG5K-MTFxCTN	4651-1410
70473	12G5K-MTFxCTN	4651-1275	5,000	100	70874	12EFG5K-MTFxCTN	4651-1605
70477	16G5K-MTFxCTN	4651-0442	5,000	100	70875	16EFG5K-MTFxCTN	4651-1603
70478	20G5K-MTFxCTN	4651-0444	5,000	50	70876	20EFG5K-MTFxCTN	4651-1600
70297	6G6KxCTN	4651-0672	6,000	100	70866	6EFG6KxCTN	4651-1396
70308	8G6KxCTN	4651-0657	6,000	100	70865	8EFG6KxCTN	4651-1371
70309	10G6KxCTN	4651-1258	6,000	100	70815	10EFG6KxCTN	4651-1368
70310	12G6KxCTN	4651-0658	6,000	100	70839	12EFG6KxCTN	4651-1288
70311	16G6KxCTN	4651-0660	6,000	100	70836	16EFG6KxCTN	4651-1289
70312	20G6KxCTN	4651-0664	6,000	50	70837	20EFG6KxCTN	4651-1290
70495	6G6K-MTFxCTN	4651-0520	6,000	100	70849	6EFG6K-MTFxCTN	4651-1435
70496	8G6K-MTFxCTN	4651-0521	6,000	100	70867	8EFG6K-MTFxCTN	4651-1609
70497	16G6K-MTFxCTN	4651-0522	6,000	50	70869	16EFG6K-MTFxCTN	4651-1604
70498	20G6K-MTFxCTN	4651-0523	6,000	50	70870	20EFG6K-MTFxCTN	4651-1601
70499	10G6K-MTFxCTN	4651-1261	6,000	100	70880	10EFG6K-MTFxCTN	4651-1416
70528	12G6K-MTFxCTN	4651-1262	6,000	100	70868	12EFG6K-MTFxCTN	4651-1606



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