



THIRSTY BIRD

LUBRICANTS



HT-1000

NanoTech Synthetic Blend Tractor Fluid

NanoTech Tractor Fluid HT-1000 designed and recommended for use in tractors, as well as in all other kinds of agricultural equipment, and off-highway machinery where transmissions, final drives, wet brakes and hydraulics are supplied from a common fluid reservoir. HT-1000 enhanced by billions of Fullerene-like Tungsten Disulfide nanoparticles (IF-WS2). These AW/AF/EP particles serve as submicron-sized shock absorbers, preventing exposure to hydraulic pressures, and also function as tiny ball-bearings that roll on impact, improving anti-friction and anti-wear properties. NanoTech Tractor Fluid delivers exceptional performance even when subjected to harsh conditions. HT-1000 provides smooth shifting and offers long term, trouble free service in high-torque, high-output applications for all-seasons operations.

APPLICATIONS

For use in all kinds of agricultural equipment, off-highway machinery, and industrial tractors.

Meets API GL-4 gear oil specifications, Allison C-4 off road transmission fluid specifications, and hydraulic pump manufacturer's requirements for anti-wear hydraulic fluid. HT-1000 also recommended for use in (but not limited to) the following equipment applications: Belarus, David Brown, Dresser CED, Fendt (Non-Vario), IMT, Kioti, Landini, Leyland, McCormick Farmall, Mitsubishi, New Idea, Renault, Universal, Versatile, Valmet, and others.

NanoTech Tractor Fluid HT-1000 is recommended for use where the following OEM specifications are required:

- AGCO Brands: Power Fluid 821, 821 XL (Deutz, AllisChalmers)
- Allison: C-4, C-3, C-2 (agriculture applications)
- API: GL-4
- Case: JIC 144, 145(TCH Fluid), MS-1204, MS-1207 (HyTran Plus), MS-1209 (HyTran Ultra/Multi Tran), MS1210 (TCH),
- CAT: TO-2
- Clark Lift Truck: TA12, TA18, HR500, Hr600
- CNH (Case New Holland): MAT 3525, MAT 3505,
- FNH (Ford New Holland): A-2-C-200/201, M2C41A/B, M2C48B, M2C53A, M2C86A/B, M2C134A/B/C/D (NH410B)
- Grove Manufacturing: Hydraulic Fluid
- Hesston- Fiat: AF-87 (Multi-F), Oilofiat Tutela
- IHC (International Harvester): B-5, B-6 (HyTran)
- JCMAS (Japanese Construction Mechanization Association): HK P-041, P-042
- John Deere: J-20C, J-20D, J20 A/B, J21A, J14C, JDT303,
- Komatsu: AXO 80 • Kubota: UDT, Super UDT, Super UDT-2
- Landini: Tractor Hydraulic Fluid
- Massey Ferguson: M-1110, M-1127, M-1127A/B, M-1129, M-1129A, M-1135, M-1141
- Oliver/White: Q1826, Q1802, Q1766, Q1766B, Q1722, Q1705, Type 55,
- Sauer/Danfoss (Sunstrand): Hydrostatic Trans Fluid
- Steiger: Hyd-Trans Fluid (SEMS 17001)
- Versatile Gear & Hydraulic Transmission Fluid: 23 M & 24M
- Vickers: I-286-S (Industrial hydraulics), M-2950-S (Mobile hydraulics), 35VQ25
- ZF – TE-ML 03E, 05F, 06K, 17E (except hypoid gear applications)
- Volvo: VCE 1273.03, VME, WB101, WB102

Never use Tractor Fluid as engine crankcase oil.

Thirsty Bird Sales & Service Ltd.

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BENEFITS

- Unique synthetic formulation resists fluid breakdown at high loads and extreme temperatures
- Outstanding EP properties and anti-friction properties
- Protects metal surfaces from scuffing, wear & rust
- Extends equipment life
- Can replace multiple products
- Lowers overall operating costs

TYPICAL TECHNICAL PROPERTIES

Properties	Test Method	Results
Color	Visual	Dark Gray
API Category		GL4
Gravity °API	ASTM D4052	30-35
Viscosity @ 40C	ASTM D445	45-55
Viscosity @ 100C	ASTM D445	7.5-11
Viscosity Index (min)	ASTM D2270	120-140
Flashpoint °C	ASTM D92	200-230
Pour point °C	ASTM D5950	-35 to -40
Oxidation Test	ASTM D943	Pass
Rust Test	ASTM D665	Pass
Foam Seq I/II/III	ASTM D892	Pass

All stated physical properties are typical of standard production and may vary

PRECAUTIONARY STATEMENTS

Do not consume. Avoid skin and eye contact. Wear gloves, eye, and face protection. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Keep out of the reach of children.

FIRST-AID MEASURES

Following inhalation: If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact: Wash with plenty of soap and water.

Following eye contact: Remove contact lenses, if present, and easy to do. Continue rinsing. Irrigate copiously with clean water for at least 10 minutes, holding the eyelids apart.

Following ingestion: Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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