

# KLONDIKE Arctic Tractor Fluid Synthetic Blend



## PRODUCT DESCRIPTION

KLONDIKE Arctic Tractor Fluid Synthetic Blend is a premium, high performance formulation designed to fulfill the torque transfer, hydraulic, and power transmission requirements of farm tractors and other mobile off-road equipment. This high performance fluid provides outstanding operating and maintenance benefits across a broad temperature range for increased operating efficiency, performance, and component protection particularly in climates where low ambient temperatures are expected.

## APPLICATIONS

KLONDIKE Arctic Tractor Fluid Synthetic Blend is designed and recommended for use in all kinds of agricultural equipment, off-highway machinery, and industrial tractors. This premium, multi-functional formulation is a single fluid that may be used to lubricate all conventional points on an agricultural or industrial tractor or piece of mobile equipment that has a common sump supplying oil to the transmission, final drive, power take-off, wet brakes, power steering, and hydraulic systems. This fluid is suitable for use in all major brand OEM equipment where such a fluid is specified.

This multi-functional fluid also 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.



## FEATURES AND BENEFITS

KLONDIKE Arctic Tractor Fluid Synthetic Blend is formulated with a blend of the highest quality, conventional and synthetic base oils with high performance additives. These advanced components have been chosen to maximize performance and provide long term, trouble free service in high-torque, high-output applications operating under heavy loads and severe stress. This high performance fluid will deliver smooth power transfer and reliable, consistent performance in modern, heavy duty equipment operating in conditions subject to wide swings in ambient temperatures.

KLONDIKE Arctic Tractor Fluid Synthetic Blend is specially formulated with KLONDIKE's advanced Arctic Performance Technology to deliver outstanding protection and performance in extreme cold temperature operating conditions. Premium conventional and synthetic base oils deliver maximum component protection and offer extended drain capability. Highly specialized additive technology ensures outstanding reliability and performance in low temperature applications ensuring equipment startup and minimized wear in these extreme conditions.

KLONDIKE Arctic Tractor Fluid Synthetic Blend delivers value through the following benefits:

- **Friction material compatibility** – balanced frictional characteristics and high shear stability ensure precise clutch and wet brake operation with unsurpassed chatter suppression.
- **High oxidation stability** – extra resistance to thermal degradation provides superior protection against oxidation and deposit formation.
- **Outstanding anti-wear** – exceptional protection against wear from microscopic contaminants at high operating temperatures and pressures ensures long equipment life.
- **Increased efficiency** – the right fluid maximizes equipment reliability and minimizes maintenance costs.
- **Optimal oil service life** – high oxidation stability maximizes fluid life for reduced oil changes and improved fluid economy.



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## SPECIFICATIONS AND APPROVALS

KLONDIKE Arctic Tractor Fluid Synthetic Blend is a low viscosity fluid and is designed as a direct replacement to John Deere J-20D. It is additionally recommended for use in (but not limited to) applications where the following OEM specifications are required:

- AGCO Brands: PowerFluid 821, 821 XL (Deutz, Allis-Chalmers)
- 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), MS-1210 (TCH),
- CAT: TO-2
- Clark Lift Truck: TA12, TA18, HR500, HR600
- CNH (Case New Holland): MAT 3525, MAT 3505
- Denison: UTTO, HF-0, 1, 2
- FNH (Ford New Holland): A-2-C-200/201, M2C41A/B, M2C48B, M2C53A, M2C86A/B, M2C134A/B/C/D (NH-410B)
- 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-20D, J20 A/B, J-20C, J21A, J14C, JDT303,
- Kubota: UDT, Super UDT
- 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
- Voith: ZF – TE-ML 03E, 05F, 06K, 17E (except hypoid gear applications)
- Volvo: VCE 1273.03, VME, WB101

## SPECIFICATIONS AND APPROVALS cont.

KLONDIKE Arctic Tractor Fluid Synthetic Blend may also be used 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.

**Always follow equipment manufacturer's recommendations for proper fluid type.**

**Never use Arctic Tractor Fluid Synthetic Blend as engine crankcase oil.**

## TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	ARCTIC SYN BLEND
Gravity; °API	ASTM D4052	30.8
Specific Gravity @ 15.6°C	ASTM D4052	0.872
Viscosity @ 40°C (cSt)	ASTM D445	34.2
Viscosity @ 100°C (cSt)	ASTM D445	7.4
Viscosity Index	ASTM D2270	191
Flash Point °C	ASTM D92	230
Pour Point °C	ASTM D5950	-54
Zinc, wt %	ASTM D4927	0.149
Sulfated Ash, wt %	ASTM D874	1.41
Phosphorus, wt. %	ASTM D5185	0.12
Calcium wt. %	ASTM D5185	0.36
Sulfur, wt %	ASTM D4951	0.29
Brookfield Vis @ -40, cP	ASTM D2983	13,000
Foam Seq. I / II / III	ASTM D892	PASS

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



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### HEALTH AND SAFETY

This product is not expected to have adverse health implications when used for its intended application. For detailed information on safe handling of this product, refer to its Material Safety Data Sheet (MSDS). To obtain an MSDS on this or any other KLONDIKE product, please visit [www.klondikelubricants.com](http://www.klondikelubricants.com) or call 1-877-293-4691. When disposing of used product, be responsible to the environment.

### BRAVING THE FORCE OF MOVEMENT

KLONDIKE stands for robust, reliable, high quality products tailored to suit the requirements of the on- and off-road heavy duty, automotive and industrial markets. Our solutions span from trend-setting retail lubricants through small-batch custom formulations to large bulk orders ready for immediate delivery.

The extensive KLONDIKE product range includes premium oils, lubricants, greases, chemicals and specialty fluids formulated with virgin base oils and protective inhibitors. Designed to handle the most extreme climates and operating conditions, the KLONDIKE products protect and extend the life of your equipment, optimize performance and improve productivity while meeting and exceeding industry standards and specifications.

#### **KLONDIKE Lubricants Corporation**

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