

KLONDIKE Wet Brake Fluid Full Synthetic



PRODUCT DESCRIPTION

KLONDIKE Wet Brake Fluid Full Synthetic is a specialized formulation designed to fulfill the torque transfer, hydraulic, and power transmission requirements of mobile off-road equipment. This advanced fluid provides outstanding operating benefits across a broad temperature range for increased overall efficiency, performance, and component protection.

APPLICATIONS

KLONDIKE Wet Brake Fluid Full Synthetic is designed and recommended for use in off-highway machinery, industrial tractors, and agricultural equipment employing wet brake systems. This premium, multi-functional formulation is a single fluid that may be used to lubricate all conventional points on a 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 multifunctional fluid also meets API GL-4 gear oil specifications, Allison C-4 off-road transmission fluid specifications, and hydraulic pump manufacturers' requirements for anti-wear hydraulic fluid.



FEATURES AND BENEFITS

KLONDIKE Wet Brake Fluid Full Synthetic is formulated with the highest quality, ultra-pure, full synthetic base oils and high performance additives. These advanced base oils 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 ambient and system operating temperatures.

KLONDIKE Wet Brake Fluid Full Synthetic is specially formulated with KLONDIKE's advanced Arctic Performance Technology to deliver outstanding protection and performance in extreme cold temperature operating conditions. Ultra-premium full synthetic base oils deliver optimum 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 Wet Brake Fluid Full Synthetic 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 Wet Brake Fluid Full Synthetic is recommended for use in common sump systems (including 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-20C, J-20D, J20 A/B, J21A, J14C, JDT303,
- Komatsu: AXO 80
- 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
- Volvo: VCE 1273.03, VME, WB101, WB102

SPECIFICATIONS AND APPROVALS cont.

KLONDIKE Wet Brake Fluid Full Synthetic may also be used in other manufacturers equipment applications such as (but not limited to): 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 manufacturers' recommendations for proper fluid type.

Never use Wet Brake Fluid Full Synthetic as engine crankcase oil.

TYPICAL TECHNICAL PROPERTIES

| PROPERTY | TEST METHOD | WET BRAKE FULL SYN |
|---------------------------|-------------|--------------------|
| Gravity; °API | ASTM D4052 | 34.5 |
| Specific Gravity @ 15.6°C | ASTM D4052 | 0.855 |
| Viscosity @ 40°C (cSt) | ASTM D445 | 41.4 |
| Viscosity @ 100°C (cSt) | ASTM D445 | 8.0 |
| Viscosity Index | ASTM D2270 | 167 |
| Flash Point °C | ASTM D92 | 230 |
| Pour Point °C | ASTM D5950 | -51 |
| 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 @ -35, cP | ASTM D2983 | 11,500 |
| 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 or call 1-877-293-4691. When disposing of used product, be responsible to the environment.

PRODUCT NUMBERS

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|-----------------------------------|----------------------|-----------|
| WET BRAKE FLUID FULL SYNTHETIC | Pail: 18.9 L / 5 GAL | KL-HF8680 |
| | Drum: 208 L / 55 GAL | KL-HF8690 |
| | Bulk | KL-HF8699 |

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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