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|  <p>Reg No: 1987/028096/23<br/>Vat Reg: 4380103046</p> | <p>130 Sarel Baard Crescent<br/>Gateway Industrial Park<br/>Rooihuiskraal, Centurion</p> <p>P. O. Box 50005, Wierda Park, 0149<br/>Tel: (012) 661 9888<br/>E-mail: admin@viscol.co.za<br/>Website: www.viscol.co.za</p> | <p>Document Number:<br/><b>TDS 006</b></p> |
|   | <p><b>SUBJECT: OIL SPECIFICATIONS</b></p>   |  |
| <p><b>ENVIRONMENTAL &amp; QUALITY MANUAL</b><br/><i>(in accordance with ISO 9001 &amp; 14001)</i></p>                                   |   |  |

## VISCOL STOUT (Super Tractor Oil Universal) 20W40

### Description:

Viscol STOUT is a premium quality multigrade Super Tractor Oil Universal (STOU) formulated for engines, transmissions/final drives and hydraulic systems in agricultural, off-highway and construction equipment.

### Performance Benefits:

- **One-oil convenience for mixed fleets**—reduces risk of misapplication versus separate fluids.
- Engine cleanliness and wear protection with oxidation/nitration control for sustained performance (API CF-4/SF).
- GL-4 EP protection for transmissions and final drives; corrosion protection for ferrous and yellow-metal components.
- Wet-brake friction characteristics to help suppress chatter and squawk.
- Excellent hydraulic function: shear stability, air release/anti-foam and demulsibility for responsive control.

### Application:


For use in normally aspirated and turbocharged diesel engines, transmissions/final drives and hydraulic systems where a STOU is specified.

Not intended for applications requiring API GL-5 hypoid axle performance or powershift fluids requiring Allison TES-295/TES-668; use dedicated products where those specifications are called for.

### Properties

- Stout gives a high degree of engine cleanliness and low engine wear.
- Has excellent thermal and high load carrying properties necessary to give complete gear protection.
- Excellent wet brake performance ensuring that chatter and squawk do not occur.

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| SOP ref:<br>(Rev. 03) | Compiled by:<br>Alex Hime | Checked by:       | Authorized by: |

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**Typical Physical Properties:**

|                                       |       |
|---------------------------------------|-------|
| SAE GRADE                             | 20W40 |
| Density @ 20°C.kg/L                   | 0,88  |
| Viscosity @40°C.mm <sup>2</sup> /sec  | 115   |
| Viscosity @100°C.mm <sup>2</sup> /sec | 14    |
| Viscosity Index                       | 120   |
| Pour Point (°C)                       | -25   |
| Flash Point (COC) °C                  | 213   |
| Total Base Number....mgKOH/g          | 10.8  |

**Specifications - Viscol STOUT meets the following:**

API:CF-4 (Diesel), SF (Petrol)  
 API: GL-4 (gear)  
 ACEA E2  
 Caterpillar TO-2  
 Ford M2C 159B/C  
 Massey Ferguson CMS M1144 and M1139  
 John Deere J27  
 ZF TE-ML 06 parts B & C  
 CCMC D2/G2 (legacy)  
 U.S. MIL-L-46152B (legacy)

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