

Product Data Sheet

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VISCOSITY TERRATRACTION Transmission & Drive Train Fluid SAE 10W, SAE 30, SAE 50.

Engineered with Fluid Technology Solutions™, our expertly designed formulation provides high performance and an extended protection for your off-road equipment.



Your number one priority is making sure your off-road equipment is always on the move. It's the engine of your business! When your equipment operates in the most extreme conditions - it requires outstanding protection against contaminants. These contaminants are common in off-road's severe operating conditions and can cause unplanned downtime

Description and Applications



Wear Protection



Smooth Clutch operation

VISCOSITY TERRATRACTION is a high-performance transmission and drive train lubricant formulated with highly refined base oils, detergents, dispersants, oxidations and corrosion inhibitors, anti-wear and extreme pressure agents to keep your work in fluid motion.

VISCOSITY TERRATRACTION fluid is a high-performance lubricant designed for use in off-highway transmissions (non-synchronized), final drives, wet brakes, axles, and hydraulic systems requiring a fluid meeting Caterpillar TO-4 or Allison C-4 requirements. It is also recommended for transmission and hydraulic systems manufactured by Dana Powershift, Komatsu, Komatsu Dresser, Tremec/TTC, Eaton, Vickers, and ZF. It will also provide API CF and CF-2 levels of engine performance.

VISCOSITY TERRATRACTION is designed for both newly developed and older model drive train components. It offers excellent friction retention, wear control, seal compatibility, oxidation stability, and viscosity stability. The frictional characteristics of the fluid is preserved over the life of the lubricant. **VISCOSITY TERRATRACTION** is formulated to help protect against wear, even under high loads. It also helps to prevent the formation of corrosion, and sludge.

Available in SAE 10W, SAE 30, SAE 50.

Benefits

- **Exceptional clutch operation** for optimal control
- **Industry leading oxidation protection**
- **Outstanding wear protection**, even under high loads and extreme conditions.
- **Compatible with a wide variety of seal and friction materials** found in construction equipment.

Approvals, Specifications and Recommendations

Meet the requirements of:

SAE 10W:

API MT-1, CAT TO-4, ALLISON C4, KOMATSU Micro Clutch (KES 07.868.1), ZF TE-ML 03C

SAE 30:

API MT-1, CAT TO-4, ALLISON C4, KOMATSU Micro Clutch (KES 07.868.1), ZF TE-ML 03C, ZF TE-ML 07F

SAE 50:

API MT-1, CAT TO-4, ALLISON C4, KOMATSU Micro Clutch (KES 07.868.1), MAT 3512

Note: Always consult your owner's manual to check recommended fluid and specifications for your specific vehicle/equipment

Typical Physical Data

Parameters	Method	Unit	Typical Value		
			SAE 10W	SAE 30	SAE 50
Kinematic Viscosity @40C	ASTM D445	cSt	43	95	215
Kinematic Viscosity @100C	ASTM D445	cSt	6.9	11.7	18
Viscosity Index	ASTM D2270		109	113	98
Pour Point	ASTM D97	°C	-39	-30	-27
Brookfield Viscosity @-20C	ASTM D2983	cP	32,000	--	--
Total Base Number	ASTM D2896		7.9	7.9	7.9
Sulfated Ash, wt%	ASTM D874		1.2	1.2	1.2
Calcium, wt%			.31	.31	.31
Zinc, wt%			.12	.12	.12

All technical data is provided for reference only. These characteristics are typical of current production. Whilst future production will conform to VISCOSITY's specification, variations in these characteristics may occur.

Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water. For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: www.viscosityoil.com

Important Note

VISCOSITY Documents and the information contained herein is believed to be accurate as of the date of printing. VISCOSITY Documents information provided is based on standard tests under laboratory conditions and is given only as a guide. Users are advised to ensure that they refer to the latest version of these VISCOSITY Documents. It is the responsibility of the users to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations imposed by the respective local authorities.

Safety Data Sheets are available for all our products and should be only be consulted for appropriate information regarding storage, safe handling and disposal of the product. No responsibility shall be taken by either VISCOSITY or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortious action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representative in the event you require any further information.