

Hydraulic Transmission Oil – Zinc Free



HY-TRAN® PREMIUM

Designed for use in transmissions, axles and hydraulic systems, Hy-Tran® Premium is a high-performance, zinc free*, anti-wear hydraulic transmission oil formulated to provide premium performance and protection for all generations of equipment – from legacy to CVTs.



FEATURES, BENEFITS & PERFORMANCE

- One fluid for all generations.
- Designed for CASE/Case IH CVX/CVT transmissions - exceptional shear stability, responsive performance and the ability to maintain its properties under high pressures and in tough applications.
- Multi-grade fluid maintains consistent power-transmitting qualities across a wide range of operating temperatures.
- Hy-Tran® Premium hydraulic transmission oil works in a wide range of extreme temperatures.
 - Optional full synthetic version (Hy-Tran Premium - Synthetic) is available for both hot and cold extreme temperature operating conditions.
- Greater shear stability for improved performance under extreme conditions.
- Non-zinc* formula helps keep the system free of deposits and avoids the creation of corrosive by-products
- Industry-leading water tolerance.
- Superior protection against corrosion and gear surface pitting.

FAST FACTS

- Lubricant technology continues to advance and CNH stays ahead of the industry with newly improved Hy-Tran® Premium. Engineered specifically for CASE/Case IH equipment, the new formulation utilizes the latest anti-wear additives to keep the system free of deposits while inhibiting wear, corrosion, sludge and foaming.
- CASE/Case IH hydraulic transmission oils pass the most demanding lab and field tests, performing above and beyond the industry standard.
 - CASE/Case IH hydraulic transmission oils are available in multiple package sizes, ranging from a one-gallon bottle to a 257-gallon tote.
 - High-volume hydraulic transmission oils are available in bulk.
 - The program offers term and cash discounts, and free freight for packaged and bulk orders.
 - CASE/Case IH lubricants are supported by a dedicated supplier team.

**This product contains traces of zinc*

MAT MATTERS

No API specifications exist for hydraulic and transmission fluids; therefore, the MAT approval on your oil container is what certifies that our oils have been tested and approved by CNH Industrial engineers to meet the demands of CASE and Case IH machines and help extend component life.

- Engineered for CNH Industrial equipment.
- Tested and approved by CNH Industrial.
- Extends component life.
- Meets the demands of CASE and Case IH machines.



CNH VS. COMPETITION

Hy-Tran® Premium

- Assured performance throughout the service hour interval
- Superior protection
- Industry-leading water tolerance
- Only available at CASE/Case IH dealerships
- Correct specifications for CASE/Case IH equipment
- Brand labeled to promote recognition*

Competitors

- Available at multiple outlets creating in-line competition
- May not perform for heavy-duty equipment
- May compromise machine performance and longevity

TYPICAL PHYSICAL CHARACTERISTICS

CHARACTERISTICS	HY-TRAN PREMIUM	HY-TRAN PREMIUM SYNTHETIC	METHOD
Color	Red	Red	–
Density at 15°C g/cm ³	0.877	0.862	ASTM D4052
Viscosity at 40°C (typ) cSt	58	50	ASTM D445
Viscosity at 100°C cSt	9.1 – 9.5	9.4 – 9.8	ASTM D445
Viscosity at -20°C (max) cP	4900	–	ASTM D2983
Viscosity at -40°C (max) cP	–	16000	ASTM D2983
Viscosity Index (min)	140	180	ASTM D2270
Pour Point (max) °C	-36	-48	ASTM D97
Flash Point (min) °C	200	180	ASTM D92
	170	140	ASTM D93
Foam Tendency – Seq I / II / III (max) ml	20/50/20	20/50/20	ASTM D892

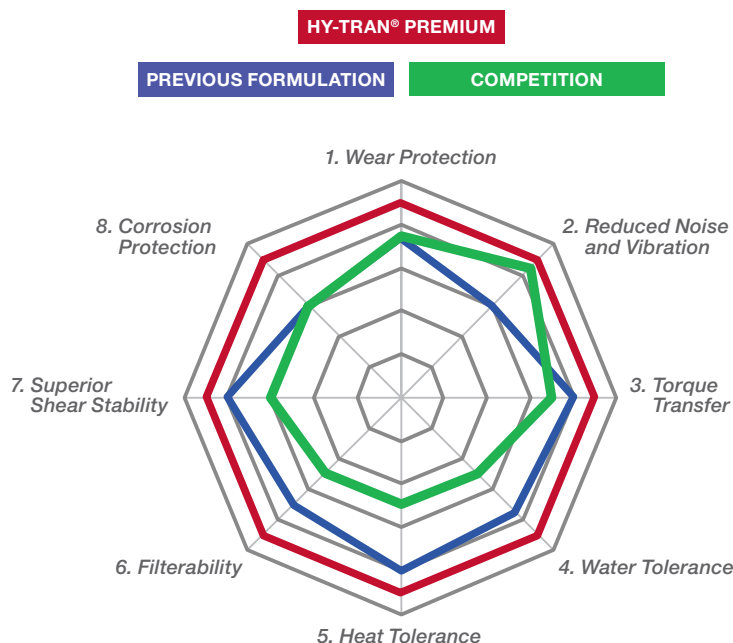
*See pg 5 for exact branding of the package sizes.

KEY TAKEAWAYS

When tested against competitive fluids, Hy-Tran® Premium is the only hydraulic transmission oil to score the highest on each of the following eight performance metrics:

- 1. Superior Wear Protection:** Protects against wear for longer component life.
- 2. Reduced Noise and Vibration:** Provides smoother shifting of clutches with less wear and minimal brake chatter.
- 3. Best-in-class Torque Transfer:** Delivers more power to the ground and higher braking capacity.
- 4. Exceptional Water Tolerance:** Holds up to 1% of its volume in water; which helps prevent rust, sticky hydraulic valves, flow restrictions and pump cavitation.
- 5. Superior Oxidation Stability:** Resists oxidation, prevents deposits and inhibits corrosion for increased component life and reduced downtime.
- 6. Better Filterability:** Performs under extreme conditions with better flow and less filter plugging.
- 7. Superior Shear Stability:** Provides advanced wear protection for transmissions and implement pumps by maintaining its viscosity when subjected to high shear, high temperatures and extreme pressure.
- 8. Optimal Corrosion Protection:** Extends component life with optimal protection against corrosion and pitting.

Hy-Tran® Premium Dominates the Competition.



WATER TOLERANCE

What is Water Tolerance?

Water tolerance is the ability of a fluid to absorb excess moisture and keep it suspended in the oil – away from metal parts.

How Does Water Get Into the Hydraulic System?

Water will always find its way into your equipment. When equipment sits after high temperature operation, condensation occurs and accumulates water in the hydraulic transmission system. When this happens, additive fallout can follow and ultimately reduce performance. Condensation can occur in bulk storage tanks as well. Hy-Tran® Premium is one of the marketplace leaders in water tolerance. Hy-Tran® Premium keeps water suspended in the fluid and away from metal parts without losing its additives, which can clog your filters.

Why is Water Tolerance Important?

Free water can promote rusting, accumulate in low spots and freeze, resulting in restricted flow and pump cavitation. Additionally, additive separation could result and lead to loss of performance and filter plugging.

Does Hy-Tran Premium Change Color When Contaminated by Water?

Yes, Hy-Tran Premium will gradually take on a cloudy appearance as water contamination increases whereas the previous formulations stayed clear even with 1% water contamination. We see this as a benefit with the new product in that it provides a visual indication of the water contamination and illustrates the need for corrective action.

SALES TIPS

Target Customers

- Who do not understand the differences in oil formulations.
- Who have a large population of machines.
- Who currently use other lubricants.
- Who buy in large quantities.
- Who value performance, reliability and long life.

Additional Suggestions

- Be informed of available ordering options.
- Stress known product performance versus price.
- Promote product at clinics or open houses – sales reps are available to conduct in-house dealership personnel training and end-use clinics.
- Consider installing a bulk system if you sell large quantities of packaged lubricants for increased sales and margins.
- Educate all customer-facing personnel as well as service technicians who may not understand the differences in oil formulations.
- Promote Systemgard™ Fluid Analysis to accurately identify minor problems before they become major problems.

PRODUCT OFFERING

DESCRIPTION	SIZE	PART NO.	BRAND
Hy-Tran® Premium Hydraulic Transmission Oil - Synthetic <i>MAT Spec Approved</i>	5 Gal/18.92 L	73344275	CIH/CCE
	55 Gal/208.19 L	73344276	CNH
	257* Gal/972.85 L	73344908	
Hy-Tran® Premium Hydraulic Transmission Oil <i>MAT Spec Approved</i>	1 Gal/3.78 L	73344265	CIH/CCE
	2.5 Gal/9.46 L	73344266	
	5 Gal/18.92 L	73344267	
	55 Gal/208.19 L	73344268	CNH
	257* Gal/972.85 L	73344269	
	Bulk (Gal)	73344270	
	Bulk (L)	73344271	

*Note: 257 gallons is amount of fluid, actual size of tote is 275 gallons

LUBRICANT PACKAGE CONFIGURATION

CONTAINER SIZE	UNIT DIMENSIONS (IN)	AMOUNT PER LAYER	MAX LAYERS QTY PER PALLET	TOTAL # OF CASES PER PALLET
6/1 Qt/0.95 L	8.90 × 4.25 × 2.55	25	5	125
3/1 Gal/3.79 L	8.20 × 3.813 × 12.66	16	5	80
2/2.5 Gal/9.46 L	14.43 × 9.26 × 6.89	13	4	52
5 Gal/18.93 L	15.75 × 12.25 × 10.438	14	3	42
55 Gal/208.2 L drum	34.563 × 23.03 × 23.03	4	1	4
275 Gal/1040.9 L tote	45.75 × 47.25 × 39.375	No Pallet Used	No Pallet Used	No Pallet Used
10/14 oz. cartridge	9.325 × 2.188 × 2.188	32	4	128
120 lb. keg	26.75 × 14.875 × 14.875	9	1	9
5 Qt/4.73 L	11.81 × 9.21 × 4.652	12	5	60

Hydraulic Transmission Oil – Zinc Based



MULTIGRADE 134™

MultiGrade 134™ is a premium universal tractor transmission oil designed for use in transmissions, hydraulic systems, oil immersed brakes and other ancillary systems fitted to agricultural, construction and off-road equipment. MultiGrade 134™ is recognized by leading agricultural and construction equipment manufacturers and suitable for use in most modern equipment.



BENEFITS, FEATURES & PERFORMANCE

- **Enhanced Protection:** Excellent anti-oxidation, shear-stability, anti-wear, anti-corrosion and anti-foam characteristics result from the use of the latest additive technology leading to greater reliability and reduced downtime thus minimizing cost and maximizing utilization.
- **Operator Comfort:** The excellent low temperature fluidity of MultiGrade 134™ results in responsive hydraulic performance and smooth gearshift performance, from cold starts to maximum operating temperatures. Friction modifying additives help create smooth, noise-free operation of oil immersed brakes.
- **Hydraulic Systems:** MultiGrade 134™ is ideally suited for hydraulic systems of tractors and ancillary equipment. MultiGrade 134™ is formulated using specially selected additives and high quality base oils to provide good low temperature fluidity and wear protection.
- **Oil Immersed Brakes:** Special friction modifying additives are included in MultiGrade 134™ to ensure optimum performance of oil immersed brakes while minimizing brake noise. MultiGrade 134™ is recommended for most wet brake systems fitted to agricultural tractors and off-highway construction equipment.
- **OEM Recognition:** MultiGrade 134™ has been rigorously tested and meets the requirements of a wide range of equipment manufacturers.

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	METHOD	MULTIGRADE 134™
SAE Viscosity Grade	SAE J 300	10W-30
Kinematic Viscosity @40°C cSt	ISO 3104	60
Kinematic Viscosity @100°C cSt	ISO 3104	9.4
Viscosity Index	ISO 2909	138
Density @15°C kg/m ³	ISO 12185	882
Flash Point (COC) °F	ISO 2592	428
Pour Point °F	ISO 3016	-44

PRODUCT OFFERING

DESCRIPTION	SIZE	PART NO.	BRAND
MultiGrade 134™	1 Gal/3.78 L	44927164	CNH
	2.5 Gal/9.46 L	73344280	
	5 Gal/ 18.92 L	73344281	
	55 Gal/208.19 L	73344283	
	257 Gal/972.85 L*	73344284	
	Bulk (Gal)	73344414	
	Bulk (L)	73344415	

*257 gallons is amount of fluid, actual size of tote is 275 gallons

SPECIFICATIONS & RECOMMENDATIONS FOR MULTIGRADE 134™

- John Deere JDM-J20C
- Massey-Ferguson M1145
- Volvo WB 101, Transmission Oil 97303:015
- ZF TE-ML 03E, 03L, 05F, 06D, 06K, 06M, 06N, 06R, 17E, 21F
- Komatsu – recommended for use in certain construction equipment
- Dana-Spicer mechanically controlled transmissions
- API Gear Performance: API GL-4
- Suitable for use in applications where Allison C-4 type fluids are required
- Multigrade 134 can be used when a SAE J 306 35W grade is recommended
- Superseded (for USA): Massey Ferguson M1143; Ford M2C-134 A-D, FNHA-2-C.201.00
- Multigrade 134 is also recommended for use in CASE equipment where fluids meeting MS 1207, 1209 or 1210 are specified
- Obsolete (for USA): Caterpillar TO-2

ADDITIONAL INFORMATION ON ALL LUBRICANT PRODUCTS



For more information visit the Lube Lookupsm site.
mycnhstore.com/lubelookupcih