



Product One Voice

Q & A

Product: AMSOIL Synthetic Tractor Hydraulic/Transmission Oil (ATH), “ALL WEATHER”

Product Area: Drivetrain

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1. Question:

What is the viscosity of ATH?

Answer:

The viscosity of ATH is SAE 5W-30. In the past, this product was labeled as ISO 46, SAE 30 which did not reflect the oil's multi grade capability to function over a wide range of temperatures.

However, the oil has always qualified for the low temperature viscosity requirements of 5W grade oil. Now, the oil is clearly identified as 5W-30 to reflect its multi grade capability.

2. Question:

Can I use ATH in cold to elevated temperatures, where other tractor hydraulic transmission oils are used?

Answer:

Yes, this oil exceeds the most demanding “all weather” specifications of both John Deere J20C and J20D and Ford New Holland FNHA-2-C-201.00 and FNHA-2-C-200.00. It has a high viscosity index to maintain its lubricity at high temperatures, and it flows at temperatures as low as -47°F (-44°C) for improved equipment operation and wear protection at low temperatures.

ATH can be used with confidence in all equipment combinations of transmissions, hydraulic systems, final drives, power take-off systems, hydrostatic systems, and wet brakes.

3. Question:

Are there specifications for normal or cold weather use of tractor hydraulic type fluids?

Answer:

Yes, Ford New Holland FNHA-2-C-201.00 and John Deere J20C are for normal/elevated temperatures, and Ford New Holland FNHA-2-C-200.00 and John Deere J20D are for cold temperatures.

4. Question:

How does AMSOIL ATH meet both normal and cold temperature specifications?

Answer:

To meet the cold temperature specification for both Ford New Holland FNHA-2-C-200.00 and John Deere J20D, the product must have a Brookfield viscosity of less than 20,000 cP at -40°C. AMSOIL ATH's Brookfield viscosity at -40°C is 18,105 cP, and meets the cold temperature requirement of both specifications.

In order to meet the normal temperature performance requirement for both Ford New Holland FNHA-2-C-200.00 and John Deere J20D specifications, the product must have a Kinematic Viscosity between 9.0 and 11.6 cSt measured at 100 °C. AMSOIL ATH exhibits a Kinematic Viscosity of 9.7 cSt which meets the normal temperature viscosity requirement of both specifications.

5. Question:

Since ATH is SAE 5W-30, can I use it in my engine?

Answer:

No, ATH is a Universal Tractor Transmission Oil (UTTO) and cannot be used in engines.

6. Question:

Does ATH meet John Deere J27 specifications?

Answer:

No, ATH does not meet Super Transmission Oil Universal (STOU) specification for engines such as John Deere J27, Ford M2C-159-B and Massey Ferguson M1139 and M1144.