



Agriculture Lubes:

Less Friction on the Farm

The webinar will begin in less than 10 minutes.





Agriculture Lubes: Less Friction on the Farm

The webinar will begin in less
than 5 minutes.





Webinar starting soon; until then...



TEST YOUR KNOWLEDGE

Which of the following Mystik JT-8
products is not licensed API CK-4?

Mystik JT-8 Synthetic Blend
Super Heavy Duty 10W-30

Mystik JT-8 Synthetic 5W-40

Mystik JT-8 Synthetic Blend
Super Heavy Duty 15W-50





Webinar starting soon;
until then...

TEST YOUR KNOWLEDGE



TRUE OR FALSE: Mystik JT-9
LeakShield Hydraulic oils are dyed
green.

TRUE

FALSE





Webinar starting soon;
until then...

TEST YOUR KNOWLEDGE



TRUE OR FALSE: Mystik JT-5 tractor
fluids meet the John Deere J20C
claim.

TRUE

FALSE



Mystik
LUBRICANTS



**Agriculture Lubes:
Less Friction on the Farm**

Mystik
LUBRICANTS

CITGO
LUBRICANTS

clarion
LUBRICANTS



Amber Fessler – NLGI CLGS; STLE CLS & OMA-I



- CITGO Sr. Sector Manager
- Materials Engineer
- 15 Years of Experience in Lubricants
- STLE Certified
 - Certified Lubrication Specialist
 - Oil Monitoring Analyst I
- NLGI Certified
 - Certified Lubricating Grease Specialist



Want Resources?

2026
Programs
Guide

Webinars

Support
Literature

Social
Media
Toolkit

The screenshot shows the CITGO MarketNet website. At the top is the CITGO logo and 'MarketNet' with a 'Lubes' dropdown menu. A search bar is on the left. Below it is a vertical navigation menu with links: ABOUT CITGO, ACCOUNT MANAGEMENT, STANDARD ORDERS, NATIONAL ACCOUNTS, FREIGHTFREE OPTION, SWIFTSHIP PROGRAM, CLARION SWIFTSHIP PROGRAM, PRODUCT INFORMATION, LUBES ADVISOR, PRODUCT CROSS REFERENCE, PLANTS, LUBEASSURE, MARKETING TOOLBOX, TRAINING AND WORKSHOPS, and USER PROFILES. The main content area has a welcome message: 'Welcome, Lubricants Customers, to CITGO MarketNet®'. Below this is a grid of resource tiles: SHOP PRINT STORE, GO FOR THE GREEN, 2026 PROGRAMS GUIDE, MARKETER COUNCIL INFORMATION, AUTOMOTIVE LUBRICANTS PROGRAM, Webinars (CLICK TO REGISTER), Lubes Advisor, Learn About LubeAlert, LubeAssure, PRODUCT CROSS REFERENCE, SOCIAL MEDIA TOOLKIT, GREASE TOOLKIT, JUST TRY IT, PC-12 TRUCK STOP, and MARKETNET 2.0 ORDERING PORTAL. At the bottom right, there is a large tile for the '2026 PROGRAMS GUIDE' with the text 'Now Available: 2026 Lubricants Programs Guide' and 'View the 2026 Lubricants Programs Guide to kick-start the new year right!'.



Future Webinars

September 28: Tech Talk:
Maintaining Best Food Grade
Practices with Clarion
Lubricants

October 26: CITGARD Heavy
Duty Engine Oils: Our New
PC-12 Lineup





Steven Bowles – STLE CLS & OMA-I

- CITGO Sr. Product Specialist
- B.S. Zoology
- M.S. Environmental Science
- 22 Years of Experience in Lubricants
- 16 Years of Experience in Laboratory Supervision/Analytical Chemistry





Matthew Gerber – STLE CLS & OMA-I

- CITGO Sr. Product Specialist
- B.S. Mathematics & Chemistry
- M.S. Mathematics
- 15 Years of Experience in Lubricants
- 10 Years of Laboratory Experience





David Turner – NLGI CLGS, STLE CLS & OMA-I

- CITGO Sr. Sector Manager
- +40 Years Experience in Lubricants
- 11 years with CITGO Lubricants
- NLGI CLGS certified
- STLE CLS and OMA certified





Agenda



Types of Agricultural
Equipment

Tractor Transmission-
Hydraulic Fluid

Agricultural Product
Portfolio





Agricultural Equipment



Types of Agricultural Equipment

- Tractors
- Soil Cultivators
- Planters
- Fertilizer Applicators
- Balers
- Loaders
- Irrigators
- Harvesters



Tractors

- Tractors are ubiquitous on farms
- Many manufacturers
- Run between 20 – 600 HP
- Many attachment options for various needs:
 - Loaders, snow pushers, mowers, tillers, etc.





Cultipacker

Chisel
Plow

Harrow

Plow

Destoner

Subsoiler

Roller

Tiller

Soil Cultivators



Planters

- Seed Drill
- Planter

Fertilizer Applicators

- Manure Spreaders
- Sprayers

Balers

- Square Bales
- Round Bales



Loaders

- Backhoe Loader
- Front End Loader
- Skid-steer Loader



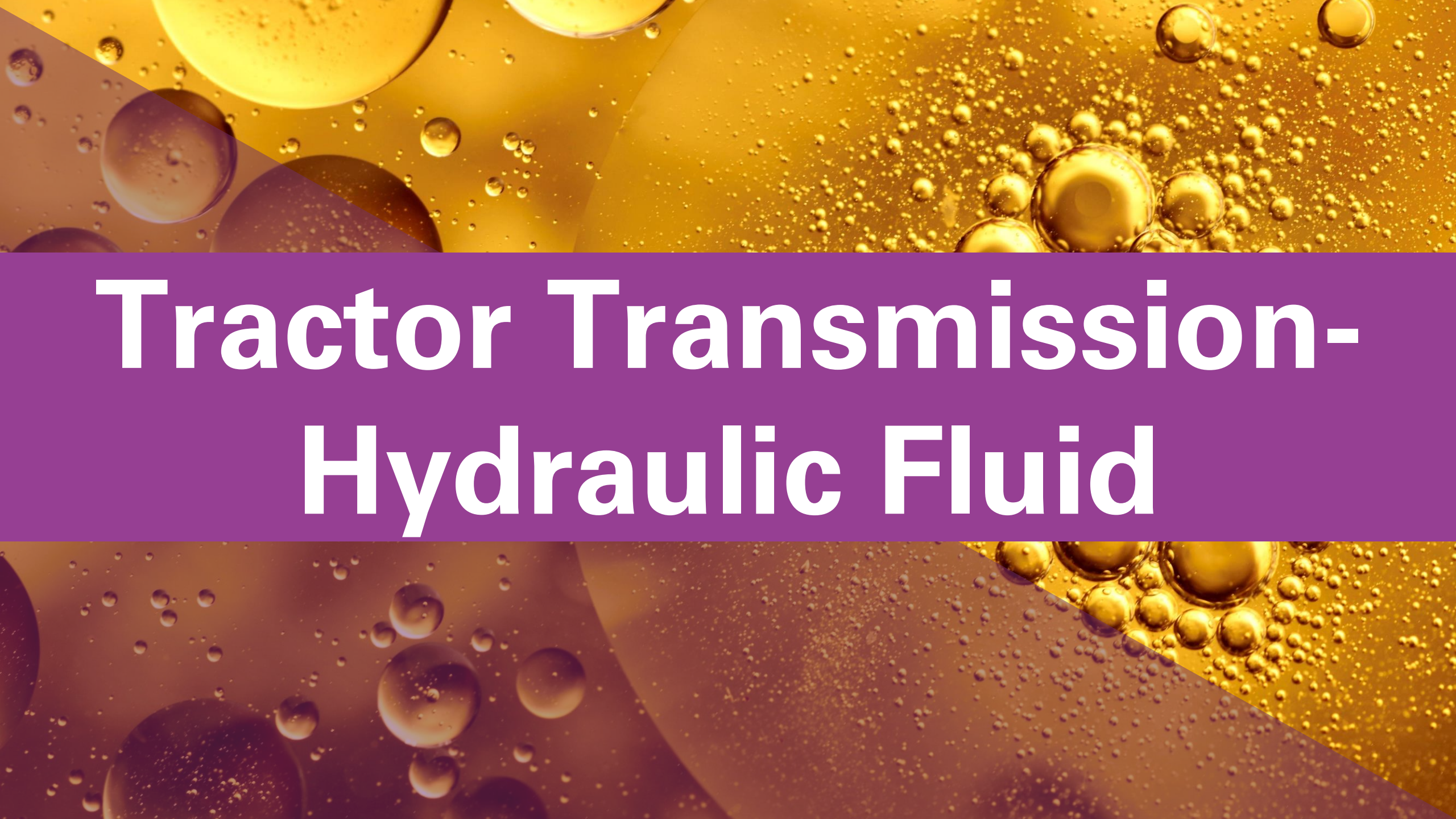
Irrigators

- Center-pivot Irrigator
- Wheel Line Irrigator



Harvesters

- | | |
|----------|-------------|
| ▪ Cotton | ▪ Carrots |
| ▪ Wheat | ▪ Corn |
| ▪ Beans | ▪ Potatoes |
| ▪ Beets | ▪ Sugarcane |



Tractor Transmission- Hydraulic Fluid

Requirements of Tractor Fluid

Hydraulic Systems (vane, piston, gear pumps)

Hydraulic Oil

- Adequate viscosity across drain interval
- Compatible with all materials (non-corrosive)

Gear Systems (spur, planetary, spiral-bevel)

Gear Oil

- GL-4 Type
- Protection at low-speed, high-load conditions

Clutches (powershift transmissions, Independent Power Take Off (IPTO))

Transmission Oil

- Clutch capacity
- Balanced dynamic and static friction properties

Wet Brakes

Brake Oil

- Noise control/suppression
- Balanced dynamic and static friction properties



Tractor Transmission-Hydraulic Fluid

Critical Properties

Viscosity Profile

Low
Temperature
Fluidity

Adequate
Operating
Viscosity

Shear
Stability

Other Properties

Foam
Control

Rust
Prevention

Corrosion
Protection

Wear
Inhibition

Wet hydraulic clutches

Hydraulic system:

- Steering

Hydraulic system:

- SCVs and couplers
- Hydraulic pumps

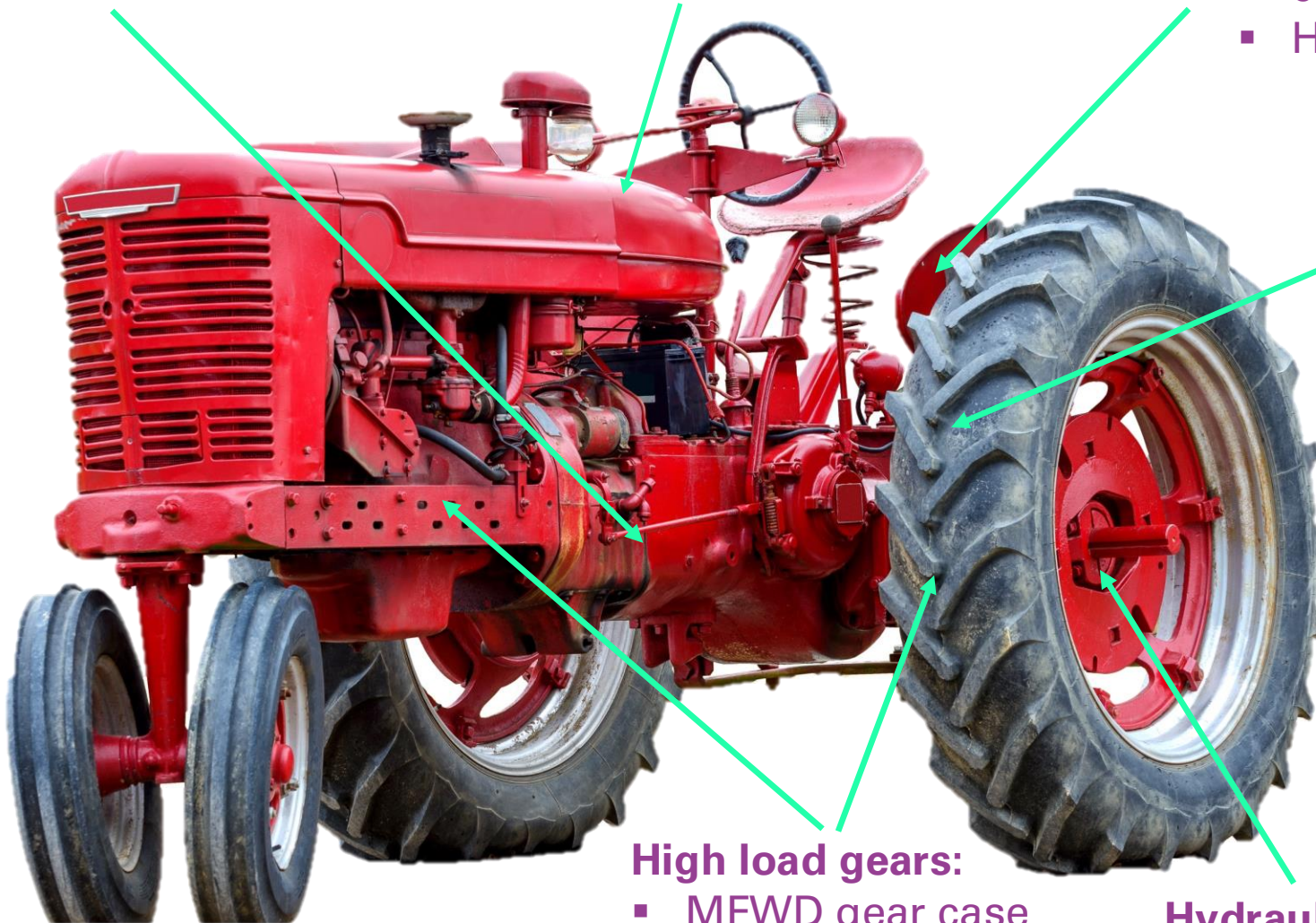
High load gears:

- Differential
- Final drives

High load gears:

- MFWD gear case
- Transmission

Hydraulic brakes



Agricultural Products





Mystik JT-5®

Tractor Trans-Hydraulic Fluid

Provides excellent performance in modern agricultural equipment where a single oil is used in the transmission, hydraulic system and lubrication of oil-immersed brakes.

Provides outstanding gear wear protection, brake chatter control and oxidation resistance.

Provides excellent filterability, rust and corrosion protection and water tolerance.

Meets John Deere J20C and is recommended for use in many other tractor OEM specifications.





Mystik JT-5 Synthetic Blend TFX



Synthetic blend tractor transmission and hydraulic fluid which meets John Deere J20C and is recommended for use in many other OEM specifications

Designed for modern high-horsepower farm equipment

High viscosity index and high shear stability

Special friction modifiers to improve brake system function and prevent brake chatter

Suitable for use in tractors requiring Case New Holland MAT 3540 **built before 2013 only**

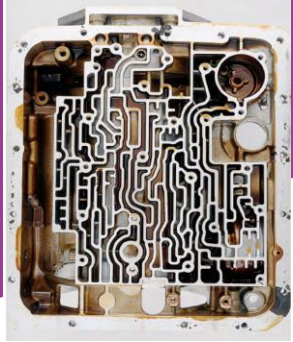
Contains zinc. Do not use to top off zinc-free fluids

Importance of High-Quality THF



- Manufacturers only need to MEET one OEM specification and can claim SFU on others
- John Deere J20C is one of the most stringent OEM requirements for tractor fluid.
- Mystik Tractor fluids MEET John Deere J20C

Suitable For Use Tractor Fluids



Bottom Case

Forward Clutch
Piston Housing



Forward Piston

Mystik JT-5 Tractor Trans-Hydraulic Fluid



Bottom Case

Forward Clutch
Piston Housing

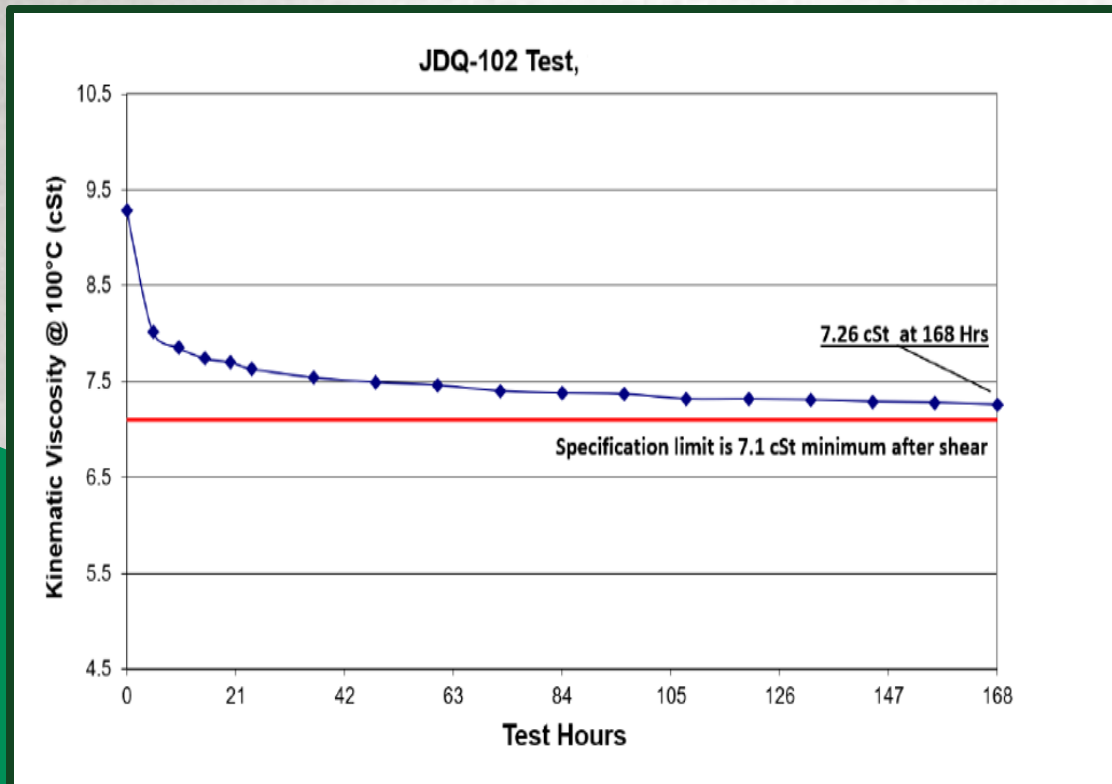


Forward Piston

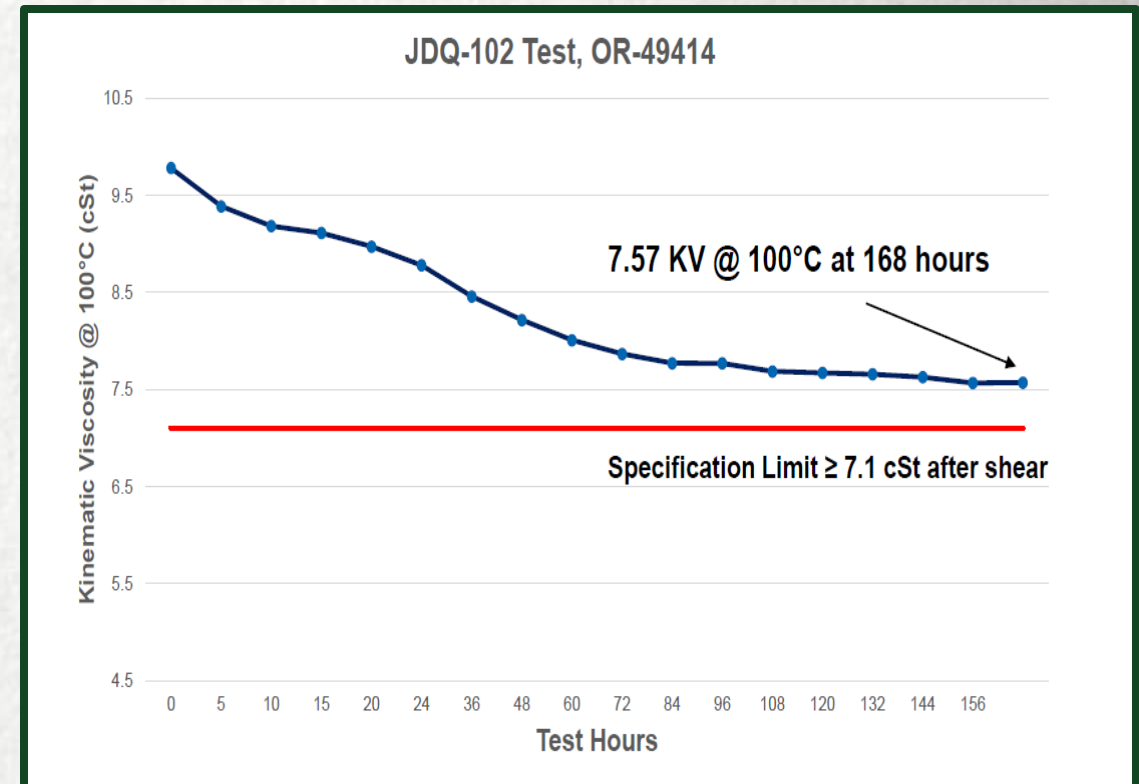


Mystik JT-5

Tractor Trans-Hydraulic Fluid



REFERENCE FLUID



MYSTIK JT-5 TRACTOR
TRANS-HYDRAULIC FLUID

Mystik JT-8[®] SHD

Diesel Engine Oils



Diesel engines power most tractors and many other farm vehicles

**Mystik JT-8 Synthetic Engine Oil
5W-40**

**Mystik JT-8 Synthetic Blend Super
Heavy Duty Engine Oils 10W-30
and 15W-40**

Meet the latest API service
category (CK-4) and multiple
diesel engine OEM specifications

**Mystik JT-8 Synthetic Blend Super
Heavy Duty Engine Oils 10W-40
and 15W-50**

Formulated to provide excellent
protection for equipment
operating in severe conditions

**Mystik JT-8 Synthetic Blend Super
Heavy Duty Monograde Engine
Oils (SAE 30, 40 and 50)**

Formulated for use in hydraulic
systems, transmissions, and
engines for which a monograde
engine oil is recommended



Mystik JT-8 Gasoline Motor Oils

JT-8 Premium Gasoline Motor Oils

Advanced, fuel-efficient, synthetic blend products

Meets the latest API service category (SQ) and ILSAC Resource Conserving rating (GF-7A)

Available in SAE 5W-20, 5W-30 and 10W-30 viscosity grades

JT-8 Premium Gasoline Synthetic Motor Oils

Fully synthetic oils with an advanced additive system

Meets the latest API service category (SQ) and ILSAC Resource Conserving rating (GF-7A)

Available in SAE 0W-20, 5W-20 and 5W-30 viscosity grades

0W-20 and 5W-30 are approved against the GM dexos 1 Gen 3 specification

Mystik JT-4 Synthetic 4-Cycle All-Terrain Vehicle Motor Oils

Formulated with premium synthetic base fluids and a special system to provide outstanding protection in high performance ATV and UTV engines

Recommended in applications requiring SM quality level and JASO MA

All terrain and utility vehicles are common on farms and ranches

SAE Viscosity
Grades:

0W-40
10W-40



Mystik JT-4

2-Cycle Lawn and Garden Engine Oil

Premium performance synthetic blend lubricant designed for use in high-performance air-cooled 2-cycle engines:

- Chain saws
- Trimmers
- Snow blowers
- Generators
- Other equipment found on farms and ranches

It meets the requirements of the API TC, JASO FD and FC, and ISO L-EGD classifications

A synthetic SAE
15W-40 oil

For use in
stationary engines
running on natural
gas

Many such
engines are used
to drive irrigation
water pumps

Mystik TerraSyn

Irrigation Engine Oil





Mystik Transmission Lubricants

Synthetic Multi-Vehicle ATF

- Ford Mercon[®] V, Ford Mercon[®] and GM Dexron[®] III
- Allison C-4, TES-295/TES-389 (Not OEM-approved)

Multi-Purpose ATF

- Ford Mercon[®] and GM Dexron[®] III

Tenax Lubricants

- SAE 30 and 50
- Meet Caterpillar TO-4 requirements

Twin Disc Fluid

- Low viscosity fluid for Twin Disc 3-stage torque converters

Mystik Gear Lubricants

SX-7000 Synthetic Gear Lubricants

- Full synthetic gear lubricants that meet API GL-5/MT-1, SAE J2360 and several OEM specifications
- SAE 75W-90 and 80W-140

JT-7 Multi-Purpose Gear Lubricants

- API GL-5/MT-1 and SAE J2360
- SAE 80W-90 and 85W-140
- Dyed red
- Excellent for Limited Slip fill/top-off

Gear Lubricant 90

- API GL-4, SAE 90



Mystik JT-9® LeakShield Hydraulic Oils

Premium quality anti-wear, anti-leak hydraulic Oils

Available in ISO grades 32, 46, 68 and 100

Also available in high VI ISO 32 and 68 viscosity grades with dielectric testing for Cherry-Pickers

Dyed green for easy leak detection



Mystik Bar & Chain Lubricant

- Protects chain, rivets, and bars on chainsaws from wear, heat and corrosion
- Helps suppress dust and reduce friction
- Additive package helps control splatter
- Designed for use across a wide temperature range



Other Mystik Products



Hydraulic Jack Oil

Turbine Drip Oil

Non-Detergent
General-Purpose
Oils

Miscellaneous
equipment on farms
and ranches needs
specialized
lubricants



Mystik Greases

for Agriculture





Mystik JT-6 High Temp Greases



- The original Red & Tacky high temperature grease
- NLGI 2 and 1 grades
- Fortified with polymers to provide excellent adhesion and water resistance
- High performance lithium complex thickener and base oils
- Robust additive package for excellent performance
- NLGI GC-LB certified automotive wheel bearing and chassis lubricant
- High load-carrying capacity and excellent wear resistance



Mystik JT-6 Heavy Duty SynBlend 460 #2



- The preferred grease for many heavy-duty applications
- NLGI 2 grade
- Synthetic blend base oil for excellent flow properties
- High performance lithium complex thickener
- Synthetic sea water rust protection
- Extreme load-carrying capacity
- Excellent wear resistance
- NLGI LB certified automotive chassis lubricant
- Excellent in fifth wheel applications





Mystik JT-6 Multi-Purpose #2



- The original JT product
- NLGI 2 grade
- Anhydrous calcium thickener for natural water resistance
- Polymer fortified for excellent adhesion and improved water resistance
- Additive package optimized for multi-purpose performance
- Compatible with other thickeners, including lithium, lithium-calcium, and lithium complex



Mystik Cotton Picker #00



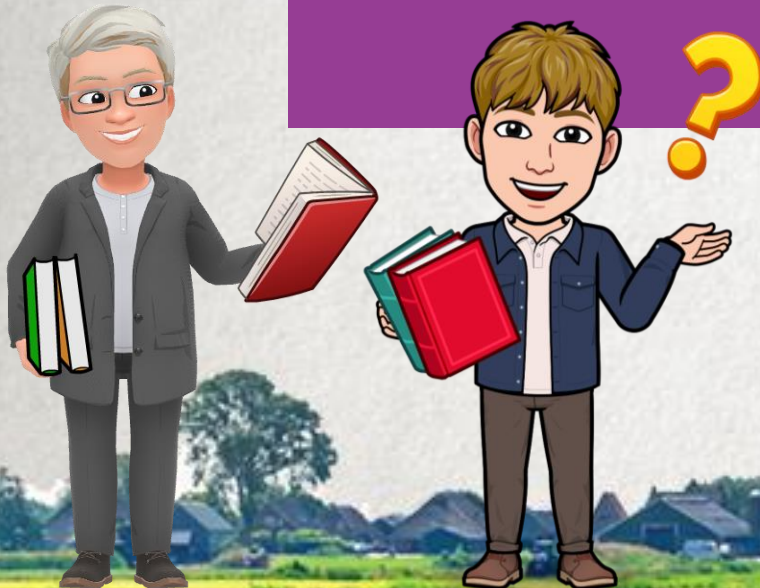
- Designed specifically for the lubrication of mechanical cotton pickers
- Semi-fluid to provide exceptional flow characteristics
- Lithium thickener with low base oil viscosity to provide excellent low-temperature flow and channeling resistance
- Properly lubricates spindle bearings for peak performance under tough conditions
- Resists leakage from spindle bearings



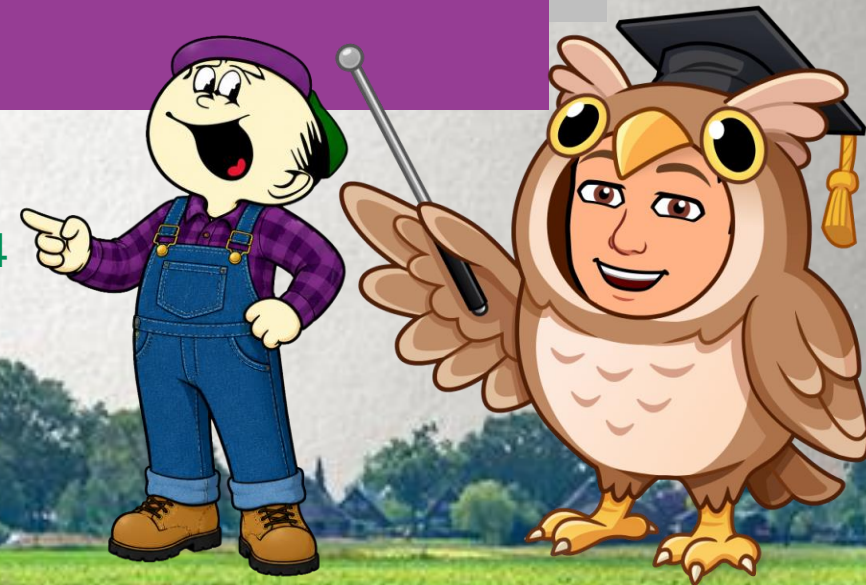
Questions?



Please post your
questions using the
Q&A function.



For technical inquiries or issues:
Lubes Answer Line 800-248-4684
lubeshelp@citgo.com



Mystik[®]

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Thank You!