

# ALLISON TRUSTS DURADRIVE. SO SHOULD YOU.



## DURADRIVE™ HD SYNTHETIC 668

THE GLOBAL FACTORY FILL  
AUTOMATIC TRANSMISSION FLUID  
FOR ALLISON TRANSMISSION –  
TES 668® APPROVED.



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AN HF SINCLAIR BRAND



# WE MET A TOUGH CHALLENGE. IT LEAVES YOU WITH AN EASY CHOICE.

Allison Transmission – the global leader in medium and heavy-duty fully automatic transmission – chose to set a new standard for Automatic Transmission Fluids (ATFs).

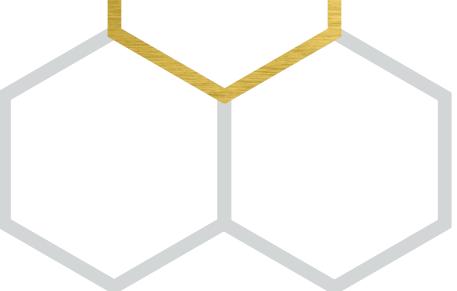
Petro-Canada Lubricants met the challenge.

We created **DURADRIVE HD SYNTHETIC 668**, an ATF so advanced and protective, Allison chose to make it first fill in every **TES 668®** specified transmission that leaves the factory.

**DURADRIVE HD SYNTHETIC 668** is fully backwards compatible for every Allison transmission that requires an approved TES 295® fluid. If you want your Allison transmission to perform the way Allison built it to perform, and to last the way Allison built it to last, you don't change the factory components. And that includes the ATF.



**USE WHAT ALLISON USES.  
IT'S ABOUT RESPECT.  
AND NOW WE'LL EARN YOURS.**



# ALLISON CREATED TES 668® TO GIVE CUSTOMERS MORE. **DURADRIVE HD SYNTHETIC 668 DELIVERS.**

The highly advanced formulations that Allison specify are part of the technical prowess that enables the Allison transmissions to perform more efficiently than the competition. The new TES 668® standard enables Allison to take their transmissions to the highest levels of performance they have ever achieved.

**IT DOES  
EVERYTHING  
ALLISON  
DEMANDED.  
AND THEN SOME.**



## A TOUGH FLUID THAT PROTECTS VITAL COMPONENTS

Reduces wear, unplanned maintenance and increases life-span.

### DURABLE FLUID

Controls oxidation leading to longer fluid life.

**LOWER TOTAL  
COST OF  
OWNERSHIP**

### A LONG LASTING, SMOOTH FLUID

Multi-temperature and smoother operation means less time in the shop, more on the road.

# ENHANCED PROTECTION. TRANSMISSION LIFE MAXIMIZED.

WHAT DURADRIVE HD SYNTHETIC 668 DELIVERS	WHAT MAKES IT HAPPEN	WHAT IT MEANS IN THE REAL WORLD
<b>OXIDATION PROTECTION</b>	Exceptional oxidation control properties enabled by Petro-Canada Lubricants' base oil purity	Longer oil life resulting in operational cost savings
<b>IMPROVED TRANSMISSION PERFORMANCE</b>	Enhanced anti-shudder performance and torque control extensively proven through clutch friction durability testing	Smoother acceleration in demanding applications
<b>EQUIPMENT WEAR PROTECTION</b>	Superior protection of friction plates and gears	Greater life of transmission components, extended performance life for the transmission and retained/residual value
<b>COMPATIBILITY</b>	Extensively tested and proven to be back-serviceable for all on-highway and vocational Allison transmissions where TES 295® fluid is currently recommended	Simple transition of all equipment to TES 668®

**DURADRIVE HD SYNTHETIC 668** is the automatic transmission fluid that Allison has chosen for factory fill and delivers technical advances for every single TES 668® transmission manufactured around the world.

Allison has tested it. Evaluated it. Approved it.  
**Now all you have to do is use it.**



**BETTER PERFORMANCE.  
BETTER PROTECTION.  
BETTER DURABILITY.  
BETTER BELIEVE IT.**



**READY TO CHANGE UP  
THE PERFORMANCE OF YOUR  
ALLISON TRANSMISSION?  
START WITH DURADRIVE HD  
SYNTHETIC 668.**

**DURADRIVE HD SYNTHETIC 668** meets and exceeds technical specifications and sets the bar for ATF durability, transmission performance and equipment protection.

Your Allison transmission can experience the benefits now:



#### **DURABILITY**

Excellent oxidation control helps shield components from damage caused by sludge, varnish and corrosion; leading to improved fluid and transmission component life



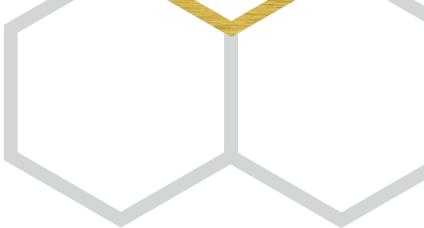
#### **PERFORMANCE ENHANCEMENT**

Anti-shudder and torque control; leading to smoother acceleration even under demanding conditions



#### **EQUIPMENT PROTECTION**

Improved wear protection and component life; leading to greater transmission longevity and asset value



# ALLISON APPROVED IT. BECAUSE ALLISON TESTED IT TO THE EXTREMES.

## ESPECIALLY FOR LONG TERM DECISIONS.

Rest assured, the experts at Allison extensively tested the fluid and their decision was to go with Petro-Canada Lubricants.

The way **DURADRIVE HD SYNTHETIC 668** met and exceeded the technical specifications means that it will provide our customers with high performance, trouble-free shifting for years to come.

## TESTED TO THE EXTREME

To meet the new specification, **DURADRIVE HD SYNTHETIC 668** was tested under highly demanding conditions:



Thousands of hours of intense testing within an Allison transmission, at severe conditions beyond standard operating parameters



Tested in frigid winter conditions as low as -40°C/F and in heat of the desert to ensure its ability to handle the widest temperature extremes

## IT'S THE ONLY ONE YOU NEED

**DURADRIVE HD SYNTHETIC 668** completed the rigorous Allison ATF validation program. **It's about respect.** And now we'll earn yours.



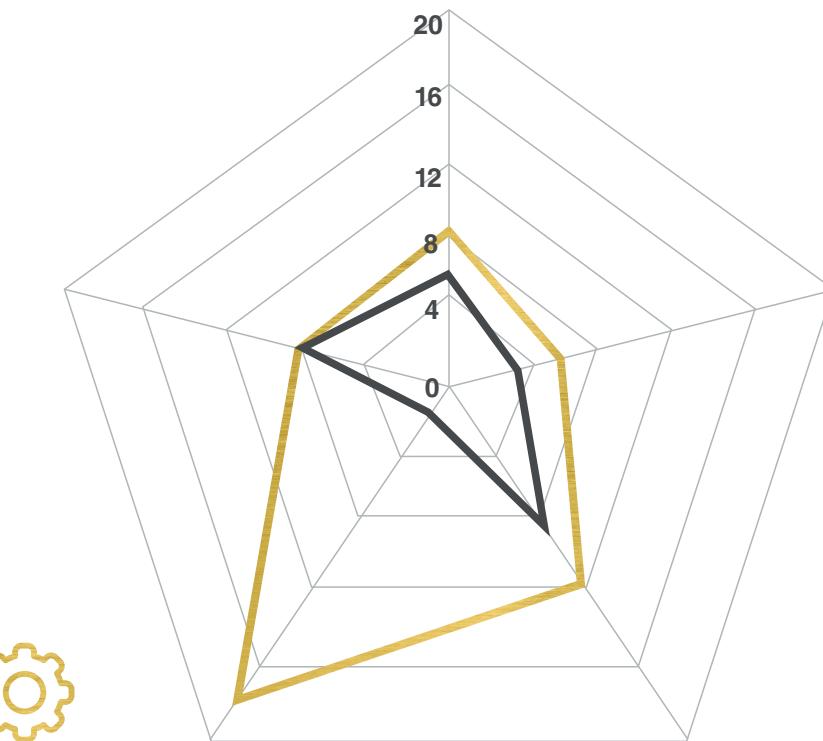
# PERFORMANCE THAT EXCEEDS EXPECTATIONS

You can see for yourself how the results stack up to make **DURADRIVE HD SYNTHETIC 668** the choice for Allison factory fill fluid and the best choice for you.

It's about respect. And now we'll earn yours.



**2 times better oxidation control than reference fluid (ABOT test)**



**Excellent oil thickening control – double that of the reference fluid (ABOT test)**



**Outstanding Anti-Shudder Durability**  
– 13 times better than reference fluid



**Wear protection improvement vs. reference fluid (FZG ASTM D5182 test)**

**DURADRIVE HD SYNTHETIC 668**

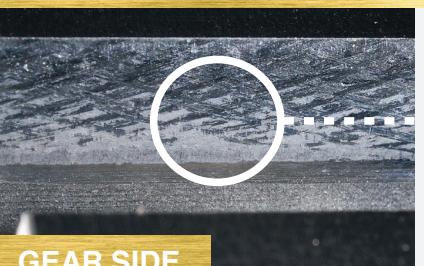
**Reference fluid**

# WEAR PROTECTION TESTING: FZG (ASTM D5182)

DURADRIVE HD SYNTHETIC 668



PIN SIDE



GEAR SIDE

Trace to light scratching at load stage 12. Original cross hatching still in place. Test maximum load is 12.

REFERENCE FLUID



PIN SIDE



GEAR SIDE

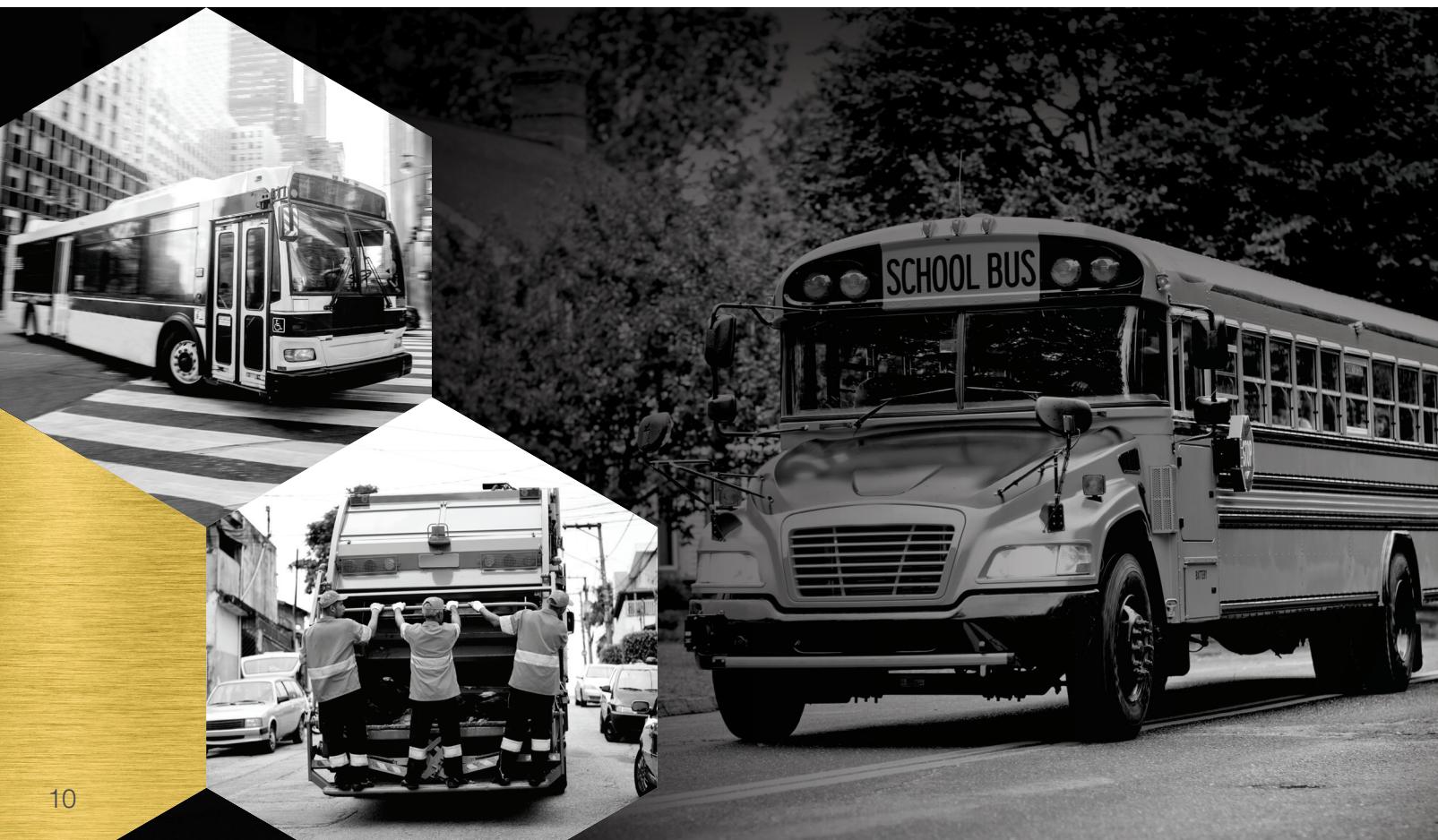
Heavy scuffing on all pinion teeth. Failed load stage 9 due to excessive wear. Minimal cross hatching remaining.

ALLISON HAS BEEN  
DEVELOPING LEADING  
TECHNOLOGY FOR  
OVER 100 YEARS.  
TO GET THEIR  
APPROVAL,  
YOU HAVE  
TO EARN IT.

By leveraging our world class R&D capabilities and highly consultative working practices, we developed a superior solution.

The rigorous validation program resulted in **DURADRIVE HD SYNTHETIC 668**, a next generation ATF with extreme durability, excellent wear protection and enhanced oxidative stability.

**ALLISON DEMANDED THE BEST. SO SHOULD YOU.**





# OUR NO-NONSENSE LUBRICANTS WARRANTY

“We will repair equipment or replace equipment parts that are damaged due to defects of a Petro-Canada Lubricants product, as long as the lubricant is used in accordance with your equipment manufacturer’s and our recommendations.”

IT'S MORE THAN JUST A WARRANTY. **IT'S A COMMITMENT.**

To learn more about how Petro-Canada Lubricants products can help your business, visit [lubricants.petro-canada.com](http://lubricants.petro-canada.com) or contact us at [lubecsr@hfsinclair.com](mailto:lubecsr@hfsinclair.com)

Committed to the disciplined operation of our business.

