

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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A HOLLYFRONTIER BUSINESS



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.**

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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 |
|--|--|---|
| OXIDATION PROTECTION | Exceptional oxidation control properties enabled by Petro-Canada Lubricants' base oil purity | Longer oil life resulting in operational cost savings |
| IMPROVED TRANSMISSION PERFORMANCE | Enhanced anti-shudder performance and torque control extensively proven through clutch friction durability testing | Smoother acceleration in demanding applications |
| EQUIPMENT WEAR PROTECTION | Superior protection of friction plates and gears | Greater life of transmission components, extended performance life for the transmission and retained/residual value |
| COMPATIBILITY | 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 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)



Exceptional
volatility control
enabled by our
unique 99.9%
pure base
oil quality



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

“Petro-Canada Lubricants will repair damaged equipment, or replace damaged equipment parts resulting from a failure due to defects of the 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 can help your business visit: **lubricants.petro-canada.com** or contact us at **lubecsr@petrocanadalsp.com**

Committed to the disciplined operation of our business.

