

SynLube™ Lube-4-Life® System

*“The **FIRST** Oil you do NOT change!”*



Price: \$3.00

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INTRODUCTION

SynLube™ Lube-4-Life™ System has been installed into your vehicle.

If your vehicle will be used in *NORMAL* operation, and *NORMAL* vehicle life is acceptable, no further servicing is required throughout typical vehicle life of up to 15-years / 150,000-miles.

If you desire *EXTENDED* or *MAXIMUM* operational service life from your vehicle, the appropriate service recommendations should be followed.

If your vehicle is used in *RACING* or *COMMERCIAL* service applications, **SynLube Incorporated** should be contacted for service and use recommendations that are appropriate for your intended use.

For *NEW* vehicles used by individuals for personal transportation, our famous [15-year / 150,000-mile Limited Lubrication Warranty](#) is available *FREE* of charge to all **SynLube™** customers, if initial requirements are met.

You can request a *FREE* copy of our Warranty from **SynLube Incorporated** or you can visit our Website (www.synlube.com) on which the Warranty is published in its entirety.

NOTE:

Please remember: **SynLube™ Lube-4-Life® System Products** eliminate or reduce the need for frequent periodical Oil and Fluid changes, however other maintenance as recommended by the **OEM** (*Original Equipment Manufacturer*) should be carried out at time and mileage intervals that have been specified by the **OEM**.

This is especially important if *EXTENDED* or *MAXIMUM* operational service life is required from your vehicle, without excessive downtime or expensive repairs.

See [APPENDIX: A](#) on end of this document for definitions of **NORMAL**, **EXTENDED** and **MAXIMUM** operational service life, as well as, definitions of **IDEAL**, **SEVERE** and **SUPER SEVERE** vehicle service.



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What is SynLube™ Lube-4-Life® System ?

SynLube™ Lube-4-Life® System consists of **Space Age Lubricants** and all other items that you need for lubrication and maintenance of all your vehicles' systems such as:

- *Engine Lubrication – Motor Oil*
 - *Motor Oil Filter – MicroGlass™ or Stratapore™*
 - *Filter Magnets – FILTERMAG™ or UNI-MAG™*
- *Engine Cooling - Coolant*
- *Transmission – ATF (Automatic Transmission Fluid)*
 - *Transmission Pan Magnets*
- *Transmission – Gear Oil or Transmission Fluid (Manual or Automated Shift)*
- *Transfer Case - Gear Oil or ATF*
- *Differential(s) – Gear Oil or LSD Fluid*
- *Power Steering – PSF (Power Steering Fluid)*
- *Constant Velocity Joints – Semi-Liquid Grease*
- *Wheel Bearings - Grease*
- *Cables – Grease or Ultra Adhesive Fluid*
- *Linkages - Grease*



What are the advantages?

SynLube™ Lube-4-Life® System allows for reduction or elimination of **PMS** (Periodic Maintenance & Servicing), because conventional and frequent Motor Oil and Motor Oil Filter changes are eliminated or greatly reduced.

This saves **MONEY**, **TIME** and **ENVIROMENT** because Motor Oil and Oil Filters need not be changed every 3,000-miles, which is the recommended interval for Conventional Motor Oils, both Petroleum and Synthetic.

During typical vehicle life, the vehicle owner who uses conventional Oil spends:

\$1,000 to \$1,500 on Oil & Filter Changes
&
40 to 50 Hours to change Oil & Filters

By comparison:

During typical vehicle life, the vehicle owner who uses SynLube™ spends:

\$500 to \$1,000 on Oil Change(s) and ADD OIL
&
1 to 2 Hours to Install and add Oil

SynLube™ Lube-4-Life® System greatly reduces the **TLC** (Total Life Costs) of your vehicle over typical “*Period of Ownership*”. Alternately, it can greatly increase the useful service life of your vehicle, thus eliminating the need to replace your existing vehicle with a new one.

SynLube™ Lube-4-Life® System eliminates the generation of dangerous used waste Motor Oil and used Motor Oil Filters.

This saves **MONEY**, **ENERGY** and **ENVIROMENT** because used Motor Oil and used Oil Filters need not be collected, disposed of or recycled.

Did you know?

Every day in the USA over one million vehicles have their Motor Oil changed!

This generates over one million Gallons of dangerous used oil, and million used oil filters, which have to be disposed of somewhere, somehow. The bad news that over 61% of used oil (or 610,000 Gallons daily !!!) is disposed of improperly or even illegally!



SynLube™ Lube-4-Life® System ... for Engines.

SynLube™ Lube-4-Life® System for Engines is designed for UNIVERSAL use in all Piston Internal Combustion engines, which are fueled by:

- Unleaded Gasoline
- Diesel Fuel
- LPG (*Liquefied Petroleum Gas*)
- CNG (*Compressed Natural Gas*)
- Racing Gasoline
- Aviation Gasoline

SynLube™ Lube-4-Life® System for Engines consists of:

1. **INITIAL FILL Motor Oil**
2. **ADD OIL Motor Oil**
3. **SERVICE Fill Motor Oil**
4. **MicroGlass™ or Stratapore™ Long Life Oil Filter**
5. **FILTERMAG™ or ULTRA-MAG™ Magnet for Oil Filter**



SynLube™ Lube-4-Life® INITIAL FILL Motor Oil



This Lubricant is used ONLY for the initial installation into your vehicle's engine. Once **INITIAL FILL** is installed NO oil drain is needed in most vehicle applications during *NORMAL* service life of the vehicle.

It is: ***“The FIRST Oil you do NOT Change”***

If *EXTENDED* service life is desirable then:

10-year / 100,000-mile Oil drain interval is recommended.

If *MAXIMUM* service life is desirable then

5-year / 50,000-mile Oil drain interval is recommended.

NOTE:

Always return all the USED SynLube Lube-4-Life® Motor Oil to SynLube Incorporated for reprocessing and you will receive full CREDIT for the volume returned.

SAVE MONEY – The Cost of Fresh Fill will be minimal (Cost of Shipping).

SAVE EARTH – No USED OIL Disposal, No pollution !



SynLube™ Lube-4-Life® ADD OIL Motor Oil



This Lubricant is used ONLY in engines where the **INITIAL FILL** Motor Oil is already installed, and only if additional Motor Oil is required to maintain proper Motor Oil level in the crankcase. It is used to replenish the Motor Oil that is consumed during NORMAL vehicle operation.

SynLube™ Lube-4-Life® SERVICE FILL Motor Oil

This Lubricant is used ONLY in engines where the **INITIAL FILL** Motor Oil is already installed, and only AFTER Oil Filter has been changed. It is used to replenish the Motor Oil that is lost during Oil Filter Change and ONLY in engines with Oil Consumption that is LESS THAN 30,000 miles per Quart of Motor Oil. DO NOT use this product if Oil Consumption is MORE than 25,000 miles per Quart of Motor Oil.

SERVICE RECOMMENDATIONS:

- Check Motor Oil Level frequently
(Initially every Month or 1,000-miles, thereafter once oil consumption is established at least every 3-months or 3,000-miles)
- Maintain Proper Motor Oil level
(Ideal Motor Oil level is **above** the **LOW** or **ADD** mark on your engine's dipstick and well **below** the **FULL** mark)

IMPORTANT!

SynLube Lube-4-Life® Motor Oil due to its unique Colloidal Syn-Sol composition has thermal expansion that is at twice the rate of Conventional Motor Oils, therefore **DO NOT** fill your engine to the "FULL" mark when the engine is "COLD" (70°F) as that will result in "TOO MUCH" oil when heated up to "NORMAL" operating temperature (200°F to 220°F).

Excessive Oil consumption will be the result of over-filling!

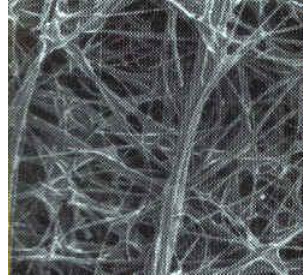


MicroGlass Motor Oil Filter

This specially constructed Long Life Oil Filter, which utilizes Synthetic Fiber Filter Media, is especially designed for use with **SynLube™ Lube-4-Life®** Motor Oils.



Detail of MicroGlass Filter Media



Microscope view of MicroGlass



Microscope view of Cellulose

The special synthetic MicroGlass fiber filter media has following advantages over conventional Motor Oil Filters with Cellulose (paper) filter media:

- Filtration of particles as small as 5 to 10 microns
- Ability to trap and hold up to 5 times more contaminants
- Up to 80% more filtered oil flow at temperature of -30°F (-34°C)
- Longer Oil Filter service Life > up to 5-years or 50,000-miles
- Eliminates static electricity build-up and discharge within the filter

MicroGlass Oil Filter replacement in most vehicle applications;

For **NORMAL** service life of the vehicle:

- Change the **MicroGlass Motor Oil Filter** after
1-year / 10,000-miles after INITIAL FILL installation
- Thereafter every 3-year / 36,000-mile Motor Oil Filter replacement interval is recommended.

If **EXTENDED** service life is desirable then:

- Change the **MicroGlass Motor Oil Filter** after
1-year / 6,000 to 10,000-miles after INITIAL FILL installation
- Change the **MicroGlass Motor Oil Filter** EVERY
2-years / 25,000-miles thereafter

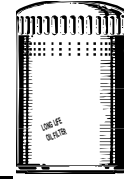
If **MAXIMUM** service life is desirable then:

- Change the **MicroGlass Motor Oil Filter** after
1-year / 10,000-miles after INITIAL FILL installation
- Change the **MicroGlass Motor Oil Filter**
annually / or every 10,000 to 15,000-miles thereafter



IMPORTANT!

Oil Filter Installation:



Make sure the Oil Filter is installed properly.

1. Check the Gasket of the new filter to be sure it is properly seated in the groove.
2. Initially spin on the filter onto the mounting stud **ONLY** by hand.
If the filter does not spin on easily, check the mounting stud for thread damage.
Or you may have an incorrect filter for your application.
3. After the *Oil Filter Gasket* contacts the mounting base on the Engine, tighten the filter **minimum** of $\frac{3}{4}$ turn up to **maximum** of 1 turn.
Use appropriate filter wrench if not easily accessible by hand.

Inadequately tightened filter will loosen with time and will cause oil leak or even total loss of Motor Oil.

Over-tightening may damage the mounting stud thread, the oil filter housing or both, and will make the oil filter difficult to remove.

4. After Oil Filter installation, fill crankcase with required amount of **SynLube**, run engine for few minutes at high idle, shut engine off and check for oil leaks.
5. After about 5 minutes (engine not running) check the Dipstick and adjust the oil level if necessary, making sure that you DO NOT over-fill. (See Page 9 for details)



FILTERMAG™

Each magnet in the **FILTERMAG™** unit is a special formulation of Neodymium (the Rare Earth element), Iron, and Boron. These Patented Super Magnets are 10 times stronger than ordinary Ceramic magnets and do not lose their magnetic charge with time or when exposed to heat. Each unit consists of eight or ten independent hard chromium coated magnets that are of opposite N/S orientation. Magnetic shield that concentrates the magnetic field into the oil filter is integral part of the **FILTERMAG™** assembly. The **FILTERMAG™** unit covers 50% of the filter perimeter, and while one unit per filter is often adequate, for ultimate protection two units per filter are recommended.

FILTERMAG™ traps magnetic particles of any size against the interior sidewall of the filter; this in turn extends lubricant service life and reduces wear.

FILTERMAG™ SUPER-STRONG magnets never wear out or lose their magnetic charge, therefore the unit itself is permanent, and you'll never need to purchase another. When replacing Oil Filter, simply remove the existing units and install them onto a new filter.

The NUMBER in the **FILTERMAG™** part number indicates the Outside Diameter (OD) of the filter in Inches for which the particular **FILTERMAG™** unit is suitable.

Price: depending on model and size from \$36 to \$175 per unit

These specially constructed units with rare-earth Long Life Magnets get externally attached to the Motor Oil Filter. They cause removal of all ferrous wear particles from circulating oil. The extra strong magnetic forces entrap magnetic particles and keep them within the Oil Filter.



NOTE:

DO NOT DISPOSE these **Magnets** with your old Oil Filter!

RE-USE them !

Just peel them off the old Motor Oil Filter and place them on the newly installed Motor Oil Filter.

(The estimated magnetic charge duration for these magnets is over 100 years !)

ULTRA-MAG™

ULTRA-MAG™ filter magnetic bands are similar to above magnets, but are engineered to cover the entire filter perimeter and contain more magnetic units. The NUMBER in the **ULTRA-MAG** part number indicates how many separate magnets are in the particular **ULTRA-MAG** band.

Price: depending on model and size from \$9 to \$99 per unit



SynLube™ Lube-4-Life® System ... for Drivetrain.

SynLube™ Lube-4-Life® System Components for Drivetrain are designed for UNIVERSAL use in:

- | | |
|--------------------------------|-----------------|
| • Automatic Transmissions | ATF |
| • Power Steering Fluid | PSF |
| • Manual Shift Transmissions | MT |
| • Gear Boxes | MT |
| • Differentials – Conventional | RE |
| • Differentials – Limited Slip | LSD |
| • Transfer Cases | MT or RE |
| • Constant Velocity Joints | CV |
| • Drive Shafts | Grease |
| • Wheel Bearings | Grease |



SynLube™ Lube-4-Life® ATF Automatic Transmission Fluid.

This Functional Fluid and Lubricant is used **BOTH** for the initial installation as well as service top-up into your vehicle's Automatic Transmission.

Once **ATF** is installed NO oil drain is needed in most vehicle applications during **NORMAL** service life of the vehicle.

It is: **“The FIRST ATF you do NOT Change”**

If **EXTENDED** service life is desirable then:

10-year / 100,000-mile ATF drain interval is recommended.

If **MAXIMUM** service life is desirable then

5-year / 50,000-mile ATF drain interval is recommended.

Note:

Use **UNIVERSAL ATF** in "dry-fill" applications or in vehicles where ALL ATF can be completely drained (some FORD models and ALISON transmissions) or when new or re-built transmission is installed

Use **SERVICE FILL ATF** in all applications where there is no provision for complete draining of all ATF from torque converter (GM, TOYOTA, HONDA, NISSAN, etc.) This version is specifically designed to be mixed with the leftover conventional OEM ATF (as long as it is still clean, not burned or not turned brown or black) - ideally this product should be installed into vehicle at about 2,500 to 5,000 miles, for maximum performance benefit and durability. If installed into high mileage vehicle contact **SynLube Incorporated** for additional service recommendations.

In vehicles where it is possible to replace the Transmission Filter, replace the Filter when SynLube ATF is installed.

Installation of ADDITIONAL FilterMag transmission pan Magnets is also highly recommended.



SynLube™ Lube-4-Life® PSF (Power Steering Fluid)

This Functional Fluid and Lubricant is used BOTH for the initial installation as well as service top-up into your vehicle's Power Steering System.

Once **PSF** is installed NO oil drain is needed in most vehicle applications during **NORMAL** service life of the vehicle.

It is: **“The FIRST PSF you do NOT Change”**

If **EXTENDED** service life is desirable then:

10-year / 100,000-mile PSF drain interval is recommended.

If **MAXIMUM** service life is desirable then

5-year / 50,000-mile PSF drain interval is recommended.



SynLube™ Lube-4-Life® MT Manual Shift Transmission Fluid.

This Functional Fluid and Lubricant is used **BOTH** for the initial installation as well as service top-up into your vehicle's:

- Manual Shift Transmission
- Transfer Case – (*if your AWD or 4WD vehicle is so equipped*)
- Differential – Conventional > (Only in Cars and Vans NOT USED to TOW)
- Transaxle – (*if your FWD vehicle is so equipped*).

Once **MT** is installed NO oil drain is needed in most vehicle applications during **NORMAL** service life of the vehicle.

It is: **“The FIRST Oil you do NOT Change”**

If **EXTENDED** service life is desirable then:

10-year / 100,000-mile Oil drain interval is recommended.

If **MAXIMUM** service life is desirable then

5-year / 50,000-mile Oil drain interval is recommended.



SynLube™ Lube-4-Life® RE Differential Fluid.

This Functional Fluid and Lubricant is used **BOTH** for the initial installation as well as service top-up into your vehicle's:

- Manual Shift Transmission > (In vehicles frequently used for TOWING)
- Transfer Case – (if your AWD or 4WD vehicle is so equipped)
- Differential – Conventional > (In vehicles frequently used for TOWING)

Once **RE** is installed NO oil drain is needed in most vehicle applications during **NORMAL** service life of the vehicle.

It is: **“The FIRST Oil you do NOT Change”**

If **EXTENDED** service life is desirable then:

10-year / 100,000-mile Oil drain interval is recommended.

If **MAXIMUM** service life is desirable then

5-year / 50,000-mile Oil drain interval is recommended.



SynLube™ Lube-4-Life® LSD Differential Fluid.

This Functional Fluid and Lubricant is used **BOTH** for the initial installation as well as service top-up into your vehicle's:

- Differential – Limited Slip > (*In all vehicles so equipped*)

Once **LSD** is installed NO oil drain is needed in most vehicle applications during **NORMAL** service life of the vehicle.

It is: **“The FIRST Oil you do NOT Change”**

If **EXTENDED** service life is desirable then:

10-year / 100,000-mile Oil drain interval is recommended.

If **MAXIMUM** service life is desirable then

5-year / 50,000-mile Oil drain interval is recommended.



SynLube™ Lube-4-Life® CV Lubricant.

This is highly specialized Ultra Adhesive Lubricant specifically engineered for the use in Constant Velocity (CV) Joints, such as those used on driveshafts of Front Wheel Drive (FWD) vehicles.

Once **CV Lubricant** is installed NO replacement or maintenance is needed in most vehicle applications during **NORMAL** service life of the vehicle.

The **CV Lubricant** can be also used in or on:

- Control Cable Assemblies
- Speedometer Cables
- Locks
- Power Window regulators
- Motorcycle and Industrial Chain Drives
- Open Gear Drives
- Starter Drives and Bearings

It is: **“The *FIRST* Lube you do NOT Change”**

If **EXTENDED** service life is desirable then:

15-year / 250,000-mile maintenance interval is recommended.

If **MAXIMUM** service life is desirable then

10-year / 150,000-mile maintenance interval is recommended.



SynLube™ Lube-4-Life® Grease.

This is Long Life and High Temperature Grease that can also be used in very low temperatures down to -70°F. It can be used in all vehicle applications, as well as any industrial applications where high quality Grease is specified.

It can be used in or on:

- Linkages
- Control Cables
- Ball Joints
- Drive Shafts (*where Grease is specified*)
- Wheel Bearings
- Brake Calipers and Components (*where Grease can be safely applied*)

Once **SynLube™ Lube-4-Life® Grease** is installed NO replacement or maintenance is needed in most vehicle applications during **NORMAL** service life of the vehicle.

It is: **“The *FIRST* Grease you do NOT Change”**

If **EXTENDED** service life is desirable then:

15-year / 250,000-mile maintenance interval is recommended.

If **MAXIMUM** service life is desirable then

10-year / 150,000-mile maintenance interval is recommended.



Where to find more information about **SynLube™ Lube-4-Life® System?**

- See **SynLube™** Internet Website: www.synlube.com
- Contact **SynLube Incorporated** and request specific information or literature.

How to Contact SynLube Incorporated:

- Postal Mail: **P.O. Box 19294
Jean, NV 89019-9294
USA**
- UPS or Fed Ex **777 E Quartz Ave. #9026
Sandy Valley, NV 89019
USA**
- Phone: **(702) 683-8292**
- Voice Mail: **1-800-SYN-LUBE**
- Internet: www.synlube.com
- E-mail: synlube@synlube.com



CONCLUSION

SynLube™ Lube-4-Life® System has been installed into your vehicle.

It is: **“The *FIRST* Oil you do NOT Change”**

If your vehicle will be used in **NORMAL** operation, and **NORMAL** vehicle life is acceptable, no further servicing is required throughout typical vehicle life of up to 15-years / 150,000-miles.

If you desire **EXTENDED** or **MAXIMUM** operational service life from your vehicle, the appropriate service recommendations should be followed.

SynLube™ Lube-4-Life® System saves **MONEY**, **TIME** and **ENVIROMENT** because Motor Oil and Oil Filters need not be changed every 3,000-miles, which is the recommended interval for Conventional Motor Oils, both Petroleum and Synthetic.

SynLube™ Lube-4-Life® System reduces of **PMS** (*Periodic Maintenance & Servicing*)

SynLube™ Lube-4-Life® System greatly reduces the **TLC** (*Total Life Costs*)

Whatever you drive ...



... you need ...

SynLube™ Lube-4-Life® System



Appendix: A

Service Definitions:**NORMAL**

According to EPA & CARB annual certifications the typical normal certified useful life as specified by Automobile Manufacturers is currently 7 years or 70,000 miles of operation. This is the typical duration of "Emission Equipment Durability Warranty" which as per "Clean Air Act" has to be provided for the "useful life" of the vehicle.

Light vehicles are defined as Cars, Vans, SUVs, and Light trucks of GVW 6,500 Lbs. or less. (**G**ross **V**ehicle **W**eight).

Therefore **NORMAL** vehicle life is considered to be 7 years or 70,000 miles of operation, if vehicle is on the average operated **NORMALLY**.

NORMAL vehicle operation is close to, but not exclusively, what many in Automotive Industry consider as **IDEAL** vehicle operation with infrequent and short intervals of **SEVERE** or **SUPER SEVERE** operational duty.

What is an "IDEAL" operating condition?

When the engine and transmission is operated at moderate loads, and is not subjected to hard accelerations and decelerations or is not operated under full load, when the engine is operated at normal operating temperature, and is not too cold nor too hot, and when the climatic conditions are comfortable for most human beings, that is no severe winter colds, no hot summer days and no excessive humidity or airborne dust.

What is "SEVERE" operating condition?

When the engine and transmission is operated under high and frequently cycling loads such as fast high performance or racing driving or the more common "stop-and-go" driving, driving in dust or sand, short trips, especially in cold weather where the engine is not allowed to fully warm up, or carrying heavy loads, pulling trailers, especially during hot summer, or sustained high speed driving.

What is "SUPER SEVERE" operating condition?

It is any type of driving that would qualify as severe operating condition, but is additionally done in adverse climatic conditions, such as severe cold or high heat.



Is your "**NORMAL**" driving "**SEVERE**"?

Most car owners do not realize that their typical "**NORMAL**" daily driving classifies as a **SEVERE** operating condition!

The most common driving consists of short trips (less than 10 miles), periods of idling, "stop-and-go" driving and frequent accelerations and decelerations. All of these conditions qualify as **SEVERE** operating conditions.

The most frequent type of driving is short trips with many stops and starts. Under such conditions the engine never reaches its normal operating temperature, particularly in winter.

SynLube™ Lube-4-Life® System service recommendations for *NORMAL* vehicle life used in *NORMAL* operation:

If your vehicle will be used in **NORMAL** operation, and **NORMAL** vehicle life is acceptable, no further servicing is required throughout typical vehicle life



EXTENDED

EXTENDED vehicle life is considered to be more than 7 years or 70,000 miles of operation, if vehicle is on the average operated **NORMALLY**.

This vehicle life formula was arrived at by EPA (Environmental Protection Agency) and is used in USA for the enforcement of Exhaust Emission Laws.

Automobile Manufacturers generally design their vehicles for up to 10 year or 100,000 mile service life; so that the specific laws are met without the need for extensive and expensive vehicle recalls or free servicing.

Therefore **EXTENDED** vehicle life is considered to be more than 7 years or 70,000 miles of operation, if vehicle is on the average operated **NORMALLY**.

The certified useful vehicle life is 7 years or 70,000 miles of operation, for most light duty vehicles that are sold in USA. *Both on Federal EPA level and for California (CARB).*

Any Automobile Manufacturer can certify their vehicles for longer vehicle life than the 7 years or 70,000 miles of operation, but only very few models are so certified annually.

For 2009 model year only 35 vehicles carry the 15 years or 150,000 miles CARB certification and are available only as PZEV vehicles. They are only distributed for sale in states which have adopted California Specification Emission Control Systems: California, Connecticut, Maine, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington.

Models which meet these PZEV requirements have a base MSRP that is an additional \$200 to \$2,000 depending on the Make and Model.

The PZEV Certification DOES NOT automatically imply that the vehicle will last for 15 years or 150,000 miles, only that IF it does that the emission system will still function as originally designed and intended!

In 2006, 2007, 2008 and 2009 no Automobile manufacturer has certified any vehicle to the 10 year or 100,000 miles, or the 12 years or 120,000 miles standards.

SynLube™ Lube-4-Life® System service recommendations for EXTENDED vehicle life used in NORMAL operation:

If your vehicle will be used in **NORMAL** operation, and **EXTENDED** vehicle life is desired, servicing is required only after 10-years / 100,000-miles.

SynLube™ Lube-4-Life® System service recommendations for EXTENDED vehicle life used in SEVERE operation:

If your vehicle will be used in **SEVERE** operation, and **EXTENDED** vehicle life is desired, servicing is required every 5-years / 50,000-miles.



MAXIMUM

MAXIMUM vehicle life is generally considered to be significantly more than the 10 years or 100,000 miles design life or 7 years or 70,000 miles certified life.

In **1977**, half of all U.S. passenger cars lasted until they were 10.5 years old, according to **NHTSA** (National Highway Traffic Safety Administration) estimates. Their travel lifetime was 107,000 miles.

In **1996** the typical average vehicle life was 12 years or 128,000 miles of operation.

By **2001** median longevity was 13 years for passenger cars and their travel lifetime was up to 152,000 miles. For light trucks, the mileage rose from 128,000 to 180,000, reports **NHTSA**, but longevity remained at 14 years, largely because more trucks were being used like cars.

NHTSA report published in January **2006** found that passenger cars and light trucks are being driven farther in their lifetimes (approximately 26,000 miles more per vehicle class). Passenger cars (less than 20 years old) are surviving slightly longer relative to the previous study in 1995. Light trucks are not surviving as long as before due to the fact that they are being used more often as passenger vehicles rather than strictly for cargo.

The updated **2006** analysis shows that a typical passenger car will travel a lifetime mileage of 152,137 miles, while light trucks will travel 179,954 miles.

On May 7, **2009**; NHTSA has published the expected “future” Vehicle Lifetime Miles (VLT) for **2011 model Year to be 195,264 for the LDV/LDT1 averaging set** and 225,865 for the LDT2/HLDT/MDPV averaging set. The LDV/LDT1 are passenger vehicles and Light Duty trucks under 8,500 lbs GVWR.

The GHG regulations are based on that data.

SynLube™ Lube-4-Life® System service recommendations for MAXIMUM vehicle life used in NORMAL operation:

If your vehicle will be used in **NORMAL** operation, and **MAXIMUM** vehicle life is desired, servicing is required every 5-years / 50,000-miles.

SynLube™ Lube-4-Life® System service recommendations for MAXIMUM vehicle life used in SEVERE operation:

If your vehicle will be used in **SEVERE** operation, and **MAXIMUM** vehicle life is desired contact **SynLube Incorporated** for servicing recommendations that will be custom tailored to your specific vehicle and its projected typical use.



Closing Comment:

The maximum benefit and the lowest “cost-per-mile” are achieved if the **SynLube™ Lube-4-Life® System** is installed into a new vehicle as soon as it is practicable.

It is the responsibility of the vehicle owner to decide when the vehicle is new what will be the desired and expected service life of the vehicle.

The maintenance recommendations that are consistent with either **NORMAL**, **EXTENDED** or **MAXIMUM** service life should then be followed.

It is not cost effective, i.e. the cost per mile will be higher, to maintain your vehicle to **MAXIMUM** service life recommendations if you will sell or trade-in your vehicle in less than 7 years or 70,000 miles.

On the other hand you cannot neglect to maintain your vehicle and then after many years and many 10,000's miles suddenly expect your vehicle to last indefinitely by just servicing it once.

Irrespective of the vehicle design and the quality level of materials and assembly workmanship, you the vehicle owner have the ultimate control over the ACTUAL vehicle service life.

Severity of vehicle operation, as well as, the frequency of vehicle maintenance will determine the FINAL vehicle service life.

SynLube™ Lube-4-Life® System only eliminates the need for frequent periodic Oil changes, however OTHER periodic servicing as recommended by OEM must be performed if you desire Long and Trouble Free vehicle operation.



"Happy Syn Oil Drop"™

