Ecological and **Economical Benefit**

Reduces Emissions, Increases Engine Life

Each year millions of gallons of motor oil are burned and exit through the tailpipes of cars and trucks, creating emissions pollution. Petroleum oils volatilize (burn off) more readily than AMSOIL synthetic oils and create more emissions pollution. The thicker oil left behind after volatilization contributes to damaging deposits, sticky piston rings and oil blow-by, all of which cause reduced engine life, reduced fuel economy and increased air pollution.

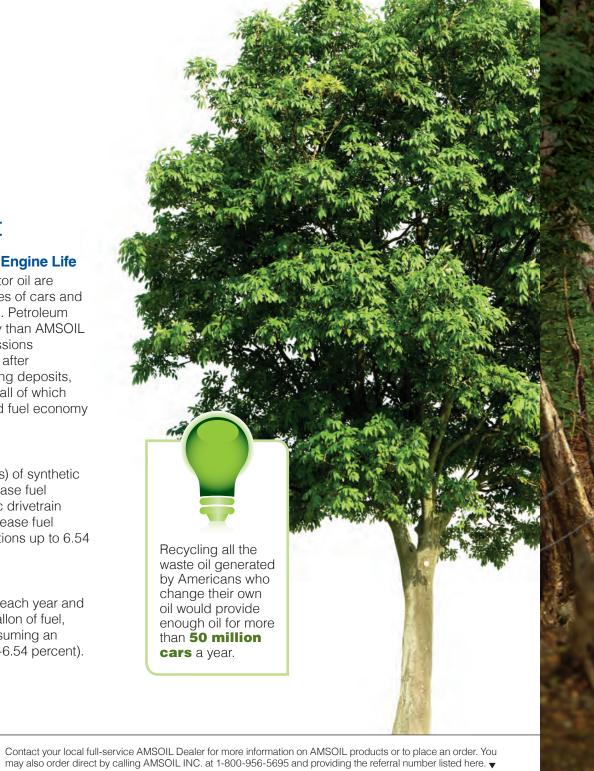
Greater Fuel Economy

The advanced lubricity (slipperiness) of synthetic lubricants has been proven to increase fuel economy. In fact, AMSOIL synthetic drivetrain lubricants have been proven to increase fuel economy in diesel trucking applications up to 6.54 percent.

How Much is 6.54 Percent?

If a trucker averages 120,000 miles each year and spends an average of \$4.09* per gallon of fuel, he or she saves \$4,994 per year assuming an increase to 6.39 mpg from 6 mpg (+6.54 percent).

*Average U.S. on-highway diesel fuel price.







Innovation, Efficiency and Solutions

Today's mechanized society cannot function without lubricants. While oil is a necessity, it is also potentially destructive to nature. Bf Ze/dZ^ a]j EZeZdZ^ a` ceR_ee` dV]VTeZ__` gReZgVEVVVTZV_eac` Uf Ted that help solve the planet's pollution problems.

AMSOIL synthetic motor oils are specially designed to protect engine components, reduce emissions, last longer and reduce fuel consumption – all features that help reduce environmental pollution. AMSOIL synthetic motor oils resist chemical breakdown and the formation of sludge, keeping V_XZ_VdT]VR_VdŽEYVj YRgVSVV_daVT2}TR]j UVdX_VUe resist oxidization, volatilization and shearing, resulting in a motor oil that lasts longer than conventional motor oils. While conventional motor oil manufacturers recommend oil changes every 3,000 miles, AMSOIL synthetic motor oils protect engines for up to 25,000 miles (up to 50,000 in diesel applications) or one year, dramatically extending oil change intervals.

AMSOIL Prescription for Prevention

An important step in revitalizing a cleaner nation is pollutant source reduction. AMSOIL accomplishes this by extending the interval between motor oil changes beyond 3,000 miles, which can reduce the source of motor oil pollution more than eight times.

It is estimated that over 200 million gallons of oil are improperly discarded annually. Dumping 200 million gallons of oil is nearly equivalent to the total estimated discharge of the 2010 Deepwater Horizon oil spill. Just one quart of used oil can produce a two-acre oil slick. Improperly disposed fdVU ZdVadecfcfXY R_U} JdZe Xcf_UhRe/dUddfaed bacterial digestion in sewer treatment plants and washes into lakes and harbors. Used motor oil is one of the largest sources of oil pollution in the nation's hRe/chRjdŽEYV deedZXeeReTR_SVU _Vdl reducing the volume of used oil and recycling the rest. Both synthetic and conventional motor oils can be recycled at any used-oil recycling center. Virtually every city in the United States has multiple used-oil collection sites for free recycling.



Recycling just **two gallons** of used oil can generate enough electricity to run the average household for **nearly 24 hours**.





Because used oil

from discarded oil

} leVcd TR | VR\Z e the soil and water, many state and local governments have banned their disposal in area 1R U}11dŽ9`hVaVd2 like used oil, used }]eVcd*RcV*highly recyclable, and the steel can be used to manufacture new products, such as cans, construction materials, vehicles and appliances.

Preventing Billions of Quarts from Being Dumped

Think about the savings on the environment if, for example, the 234 million vehicles (excluding trucks, buses and taxis) in the United States were equipped with AMSOIL motor oil. Assuming an average service life of 100,000 miles and an oil capacity of 5 quarts each, 11.7 billion to 39 billion quarts of used oil will be generated during a regular service lifetime (with regular oil changes every 3,000 to 10,000 miles). If 39 billion quarts of used oil were put into 55-gallon barrels and lined up, the line would stretch from Los Angeles to Washington D.C. and back nearly 12 times. Alternatively, if each of those 234 million cars were equipped with AMSOIL synthetic motor oils and followed oil drain intervals of up to 25,000 miles, as few as 4.7 billion quarts of oil would be consumed in the same period. That is a reduction of up to 34.3 billion quarts of oil, just by switching to AMSOIL motor oils.

AMSOIL Solutions

For four decades, AMSOIL INC. has been recognized as the leader in synthetic lubrication eVTY_`] Xj Z2> D@:= h Rd eVV} dee Z_& Uf TV R dj _eVeT ^ `e` C` Z bf R]Z VU Sj eV 2^ VcTR_ AV&]Vf ^ :_def eVEeV} dee dVT ^ ^ V_U 25,000-mile/one-year drain intervals and the } dee Z^a]V^ V_eR dj deV^ WcUdR^ ReTR]]j increasing drain intervals with oil analysis. Decades of research, laboratory analysis and millions of engine miles have kept AMSOIL a leader in synthetic lubrication, and the

company will continue to explore ways to reduce environmental impact through continued research, analysis and product development.



The used oil from one oil change can contaminate

1 million gallons of fresh water – a year's supply for 50 people.

Looking Toward the Future

The life of a lubricant is dependent upon the quality of the oil and the }] eReZ _ dj deV^ d RSZZ e 'e 'VVa ZeT]VR_Ž2> D@:= ac gZJVd R]] eVe `]d necessary for extending drain intervals while maintaining maximum engine protection. Premium

AMSOIL synthetic lubricants and Ea® Filters, in combination with oil

