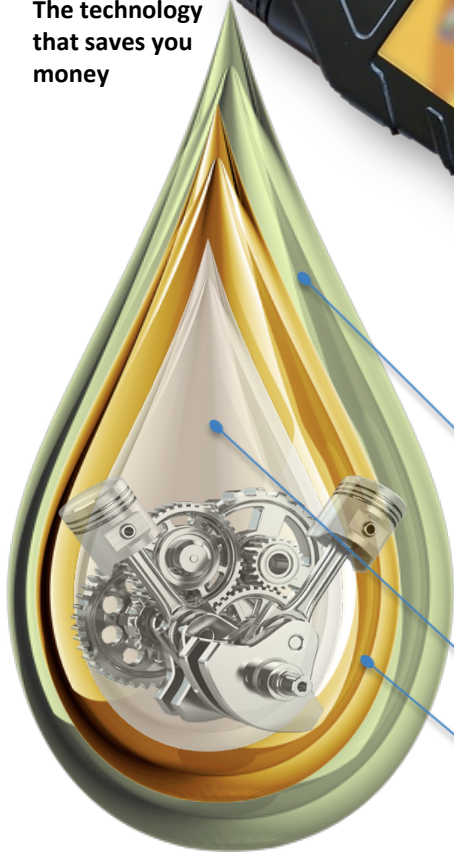


The technology  
that saves you  
money



# Full Mechanic Jacket



## Titanium dioxide

Bacterial protector

## Polymer (patented)

Friction reducer of the moving parts of the engine

## Lubricating oil

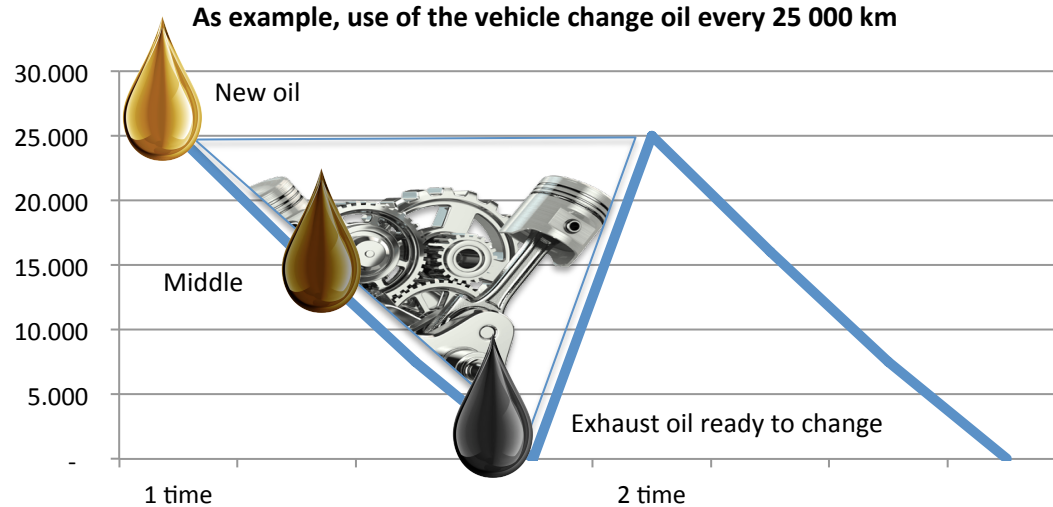
Lubricant and polymer carrier



# Why lubricant oil has to be change so often?



Fumes, metallic particles and bacteria degrade lubricant performance.



# How does polymer make lubricant to last longer?

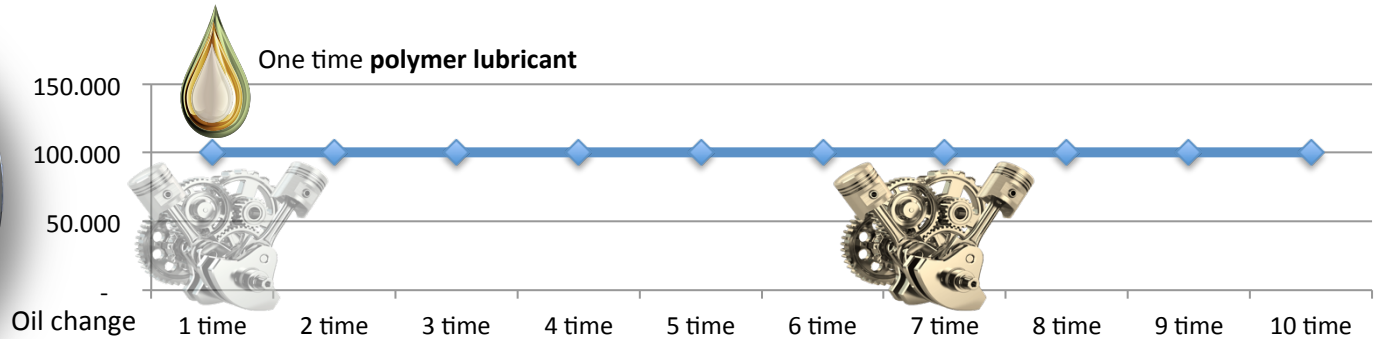


Pictured below is the polymer patented. It resists up to 400° C and is impalpable to touch.

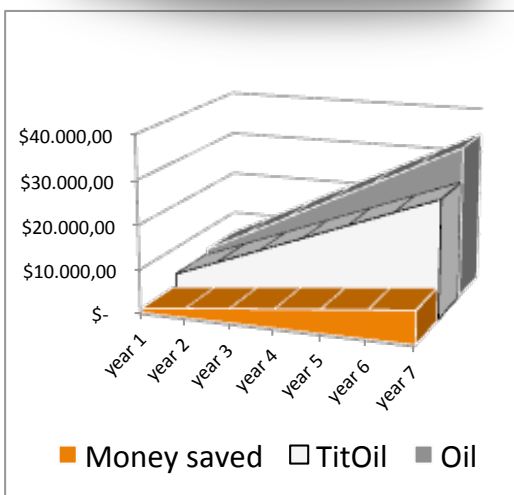
**TiToil** reduces friction through unique 1 to 5 microns polymers by covering the metal parts like a thin jacket.

In addition, the oil that acts as carrier for the polymer, is augmented with titanium dioxide which protects the lubricant from bacteria.

This new formula makes the **TiToil lubricant to last longer than conventional oil**, improve engine efficiency and reduce fuel consumption.



Saving over  
**2 years**  
or  
**70.500 km**

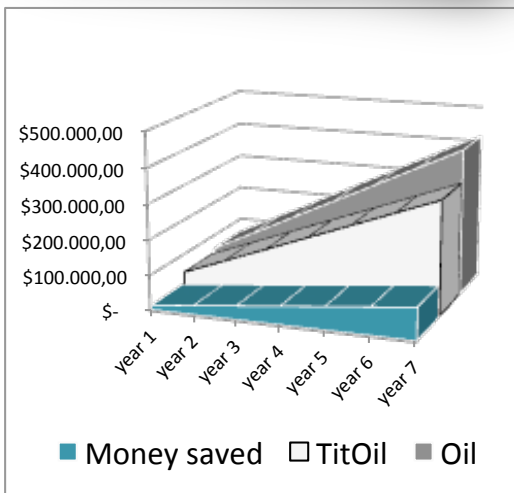


Car km					250.000	
					Traditional lubrication system	TiToil with polymer
	UM	QTY	Unit			
Oil Services	km		1,00		25.000	250.000
Oil cost	\$/lt	6,50	1,00	\$22,10	\$143,68	
Oil cost (polymer)	\$/lt	6,50	1,00	\$92,10		\$598,65
Oil filter	pcs	1,00	1,00	\$61,40	\$61,40	\$61,40
Manpower	h	2,00	1,00	\$42,98	\$85,96	\$85,96
Total cost for first time					\$291,04	\$746,01
Service time	nr.				10,00	1,00
Total amount					\$2.910,36	\$746,01
Money saved for oil change					74,37%	\$2.164,35
			km	Km/lt		
Consumption	lt		250.000	13,00	19.230,77	15.000,00
Fuel cost	\$/lt				\$1,78	\$1,78
Total fuel cost					\$34.242,31	\$26.709,00
Money saved for fuel					22,0%	\$7.533,31
Money saved						\$9.697,66





Saving over  
**2 years**  
or  
**197.500 km**

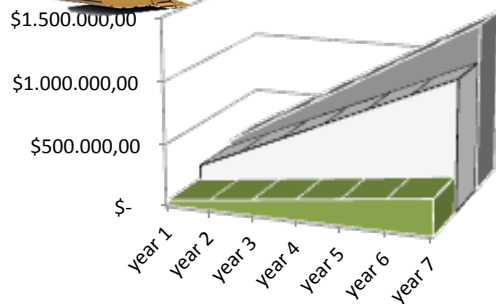


Truck km					700.000	
					Traditional lubrication system	TiToil with polymer
	UM	QTY	Unit			
Oil Services	km		1,00		30.000	700.000
Oil cost	\$/lt	50,00	1,00	\$22,10	\$1.105,20	
Oil cost (polymer)	\$/lt	50,00	1,00	\$92,10		\$4.605,00
Oil filter	pcs	1,00	1,00	\$61,40	\$61,40	\$61,40
Manpower	h	2,00	1,00	\$42,98	\$85,96	\$85,96
Total cost for first time					\$1.252,56	\$4.752,36
Service time	nr.				23,0	1,00
Total amount					\$28.808,88	\$4.752,36
Money saved for oil change					83,50%	\$24.056,52
			km	Km/lt		
Consumption	lt		700.000	3,00	233.333,33	182.000,00
Fuel cost	\$/lt				\$1,78	\$1,78
Total fuel cost					\$415.473,33	\$324.069,20
Money saved for fuel					22,0%	\$91.404,13
Money saved						\$115.460,65



# CAT 336F L XE

Saving work over  
**1,6 years**  
Or  
**3.531,00 hours**



■ Money saved □ TiToil ■ Oil

## Working hours correspond to the average life of the machine

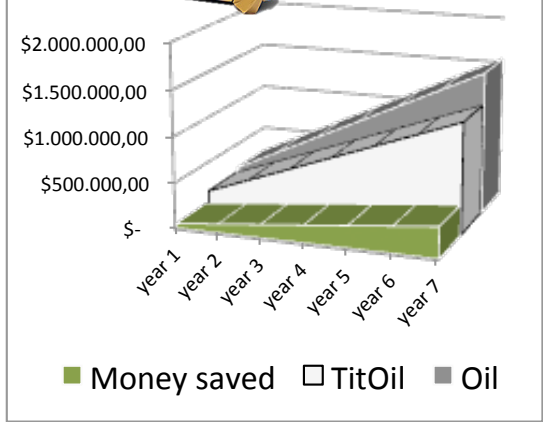
**h 12.000**  
**7 years**

					Traditional lubrication system	TiToil with polymer
	UM	QTY	Unit			
Oil change (engine)	h				500,00	12.000
Oil cost (Cat)	\$/lt	32,00	1,00	\$22,10	\$707,33	
Oil cost (polymer)	\$/lt	32,00	1,00	\$92,10		\$2.947,20
Oil filter	pcs	1		\$61,40	\$61,40	\$61,40
Manpower	h	2		\$42,98	\$85,96	\$85,96
Total cost for first time					\$854,69	\$3.094,56
Service time	nr.				24,00	1,00
Total amount for 12.000 hours					\$20.512,51	\$3.094,56
Money saved for oil change					84,9%	\$17.417,95
Power unit CAT	Hp	319,00				
Fuel consumption	lt/h	0,1900	319,00		60,61	
Total hours computation	h/lt	12.000,00			727.320,00	567.309,60
fuel cost	\$/lt				\$1,78	\$1,78
Total fuel cost					\$1.295.065,99	\$1.010.151,47
Money saved for fuel					22,00%	\$284.914,52
<b>Money saved</b>						<b>\$302.332,47</b>



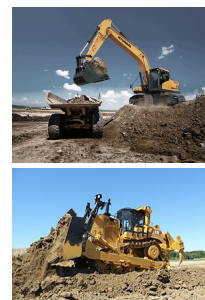
# CAT D8 D

Saving work over  
**1,6 years**  
Or  
**3.505,00 hours**



Working hours correspond to the average life of the machine					h 12.000 7 years	
					Traditional lubrication system	TiToil With polymer
	UM	QTY	Unit			
Oil change (engine)	h				500,00	12.000
Oil cost (Cat)	\$/lt	38,00	1,00	\$22,10	\$839,95	
Oil cost (polymer)	\$/lt	38,00	1,00	\$92,10		\$3.499,80
Oil filter	pcs	1		\$61,40	\$61,40	\$61,40
Manpower	h	2		\$42,98	\$85,96	\$85,96
Total cost for first time					\$987,31	\$3.647,16
Service time	nr.				24,00	1,00
Total amount for 12.000 hours					\$23.695,49	\$3.647,16
Money saved for oil change					84,6%	\$20.048,33
Power unit CAT	Hp	364,48				
Fuel consumption	lt/h	0,1900	364,48		69,25	
Total hours computation	h/lt	12.000,00			831.014,40	648.191,23
fuel cost	\$/lt				\$1,78	\$1,78
Total fuel cost					\$1.479.704,24	\$1.154.169,31
Money saved for fuel					22,00%	\$325.534,93
Money saved						\$345.583,26

**TiToil comes with technology that reduces both friction and running costs of a wide range of machines**



**Full  
Mechanic  
Jacket**

