



#wefightDIRTY

**fewer**OILCHANGES

**cleaner**ENGINES

**puradYN**

## puradYN® Bypass Oil Filtration

Continuously cleans engine oil, transmission fluid, or hydraulic fluid, safely extending oil life and equipment life

Installed on thousands of engines globally by industry leaders in oil and gas exploration, trucking, mining, and commercial marine

### Why is puradYN filtration better?

- ✓ Removes solid contaminants even smaller than 1 micron
- ✓ Removes liquid contaminants and water with Polydry® polymer technology
- ✓ Replenishes base additives to maintain the oil's chemical balance

### What impact does this have?

- ✓ Engines run cleaner and greener
  - Engine life can be extended from 25% to over 100%
  - Top end overhauls may no longer be necessary
- ✓ Up to 90% reduction in oil changes:
  - Up to 90% less oil purchased/stored
  - Reduced cost and environmental risk of waste oil storage and disposal



Frac truck with puradYN® on Cummins QSK50 engine



Frac truck with puradYN® on MTU 4000 pump engine

## puraDYN users report extending oil change intervals by 4-10x

- Instead of changing the oil at the OEM suggested interval, an oil sample is taken for analysis, and the puraDYN filter element is replaced
- If analysis confirms oil is up to spec, there is no need to change the oil

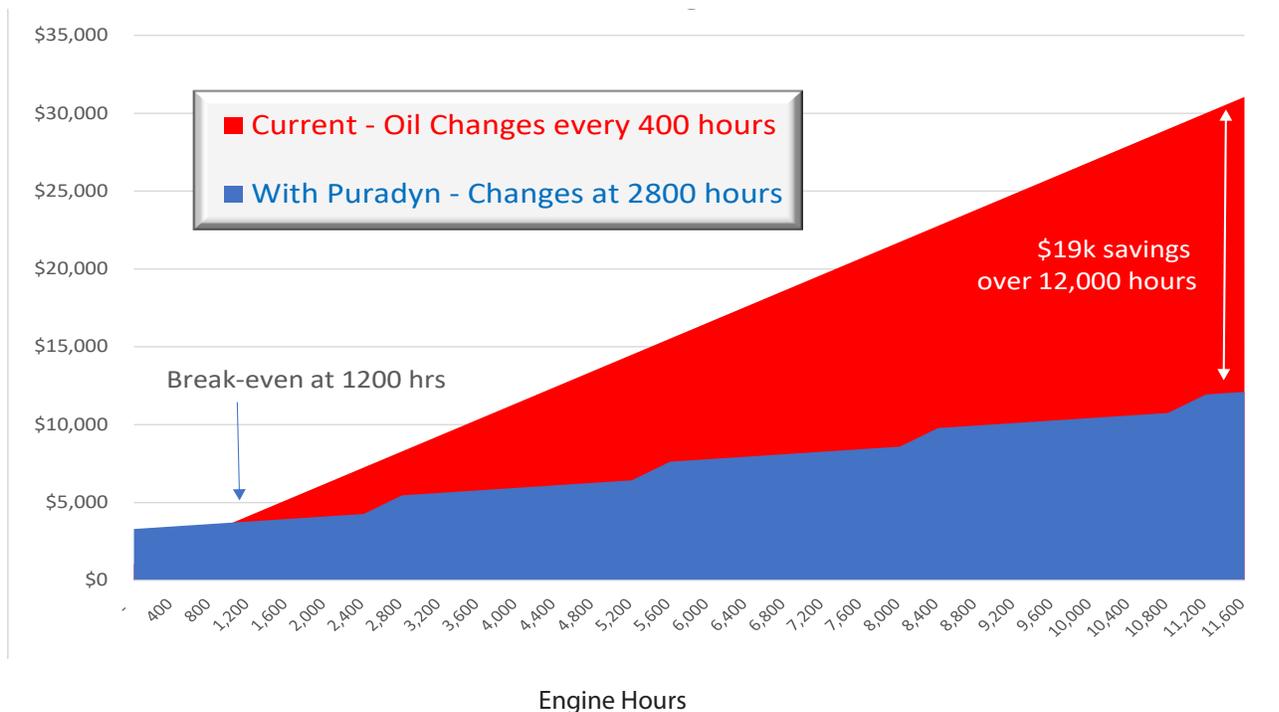
*"Installing puraDYN systems on our entire fleet is one of the **most beneficial cost vs reward decisions** I have made in my career to date.*

*We are not only saving money on oil by safely reducing oil changes, but more importantly, **we now avoid losing 1-2 days per month of downtime** to complete an oil change."*

Monte Madsen, Sr. VP | Legend Energy Services

Example: Cummins QSK50	Before puraDYN	With puraDYN
Oil Change Interval	400 hours	2,800 hours
Oil change costs / 3 yrs (12,000 hours)	\$31,050	\$5,175
<b>Oil change savings / 3 years</b>		<b>\$25,875</b>
Cost of puraDYN System / 3 yrs		\$6,900
<b>ROI from using puraDYN</b>		<b>3.7x</b>

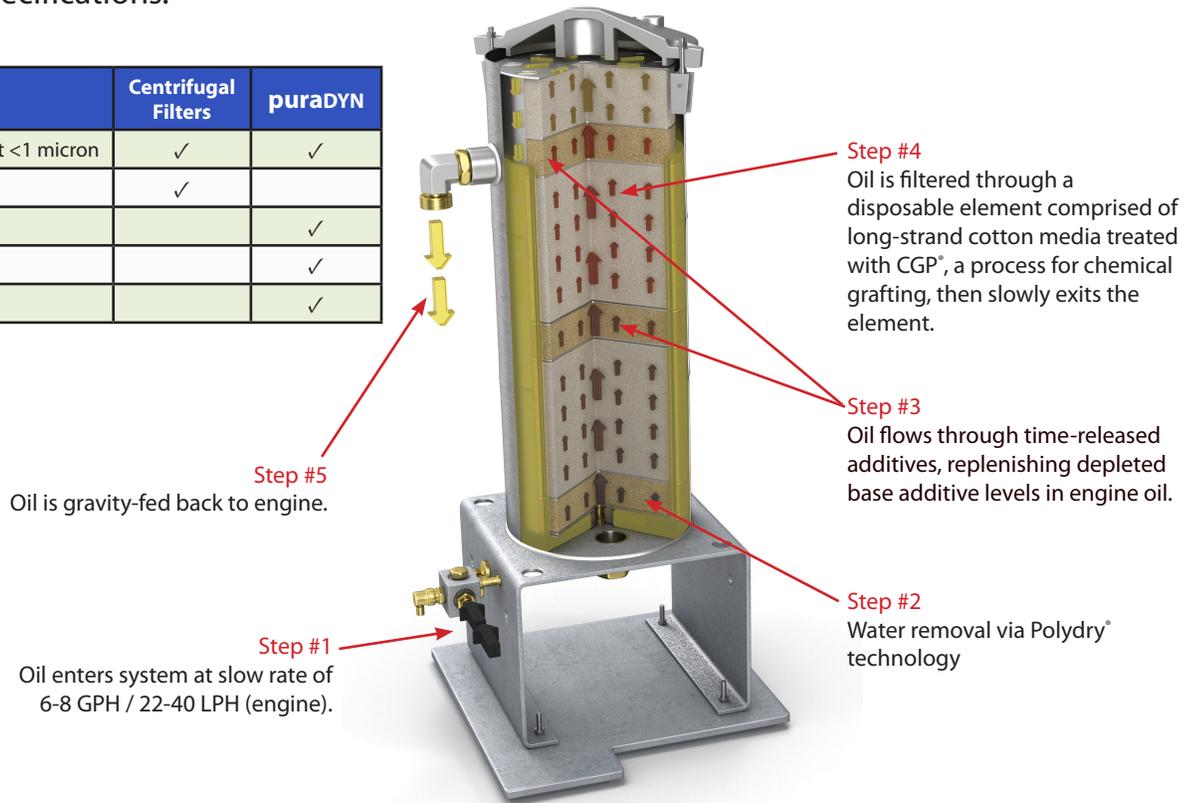
**Cumulative Cost of Oil Changes Over 12,000 hours**



## Working much the same way as kidney dialysis machine, the puradYN® system diverts a small amount of engine oil at a slow rate of flow.

Leveraging our patented solution, the filter continuously cleans the oil of solid and liquid impurities and replenishes key additives to maintain the oil's chemical balance and viscosity well within engine manufacturers' specifications.

	Centrifugal Filters	puradYN
Removes solid contaminant <1 micron	✓	✓
Filter requires cleaning	✓	
Removes water from oil		✓
Replaces base additives		✓
No moving parts		✓



Model Number	M06W	M10	M25	M45	M85*
Old Model Number	MTS-12	MTS-24	MTS-40	MTS-60	MTS-240*
<b>Maximum Engine Oil Capacity</b>	6 gallons 23 liters	10 gallons 38 liters	25 gallons 95 liters	45 gallons 170 liters	85 gallons 322 liters
<b>Height</b>	8 in 20 cm	11 in 28 cm	13 in 33 cm	17 in 43 cm	29 in 75 cm
<b>Width</b>	9 in 24 cm	9 in 24 cm	10 in 25 cm	10 in 25 cm	10 in 25 cm
<b>Depth</b>	9 in 22 cm	9 in 22 cm	11 in 27 cm	11 in 27 cm	12 in 30 cm
<b>Weight</b>	13 lbs 6 kg	18 lbs 8 kg	25 lbs 11 kg	32 lbs 15 kg	44 lbs 20 kg

\* Available in multiple configurations to effectively filter large sump capacity engines.

Severe applications and operating environments may require model size adjustment from that shown on the standard sizing chart above. Please contact your local distributor or Puradyn directly if you have any questions about the correct size system for your application or environment.

Puradyn Filter Technologies Incorporated is the exclusive worldwide manufacturer of the puradYN® Oil Filtration System. Protected by U.S. patent 8,573,407 and patents pending.



# provenRESULTS. satisfactionGUARANTEED.

- Manufactured in the U.S. for 30+ years
- Will Not Void Manufacturer's Warranty
- Six-Month Money Back Guarantee
- Five-Year Unlimited Miles/Hours Warranty on Unit
- Insured Up to \$5M Liability Per Occurrence

*"Nabors' use of puraDYN filtration systems to continuously clean engine oil has **reduced our need for oil changes by over 80%** and **eliminated the need for most mid-cycle, top end engine overhauls.**"*

**Siggi Meissner, President, Global Drilling & Engineering | Nabors Industries**

Some of our most popular products for the pressure pumping industry:

APPLICATION	TYPE	PURADYN PART #
Engine	Cummins QSK50	01-A1M85X-C (prev. 01-70002MTS-DL4)
Engine	Caterpillar 3512	01-A1M85X-K7 (prev. 01-71002MTS-DL6)
Engine	MTU 4000	01-A1M85X-M (prev. 01-70002MTS-DL6)
Transmission	Allison 9800	01-A1M25N-AT (prev. 01-70401MTS-DLT)
Transmission	Twin Disc 8500	01-A1M25N-TD (prev. 01-71401MTS-DLT)
Transmission	Caterpillar TH55 Series	01-A1M25N-K3 (prev. 01-72401MTS-DLT)

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