



Setting the Standard in Oil Filtration

*Keep It Clean!® & Keep It **Green!***

Oil does not wear out

- It oxidizes during the combustion process
- It becomes contaminated due to high temperatures, soot, silica, acid, sulfur, metal particles, water, fuel and glycol
- When contaminated, oil can no longer protect, cool and lubricate
- Additives are depleted

Oil can last indefinitely

- When harmful gaseous, liquid, and solid contaminants are removed and additives are replaced

The **puraDYN**[®] System Protects the Oil's Properties by

- Removing **solid** contaminants to below one micron
- Removing **liquid** and **gaseous** contaminants
- Replenishing the **base additives** in engine oil



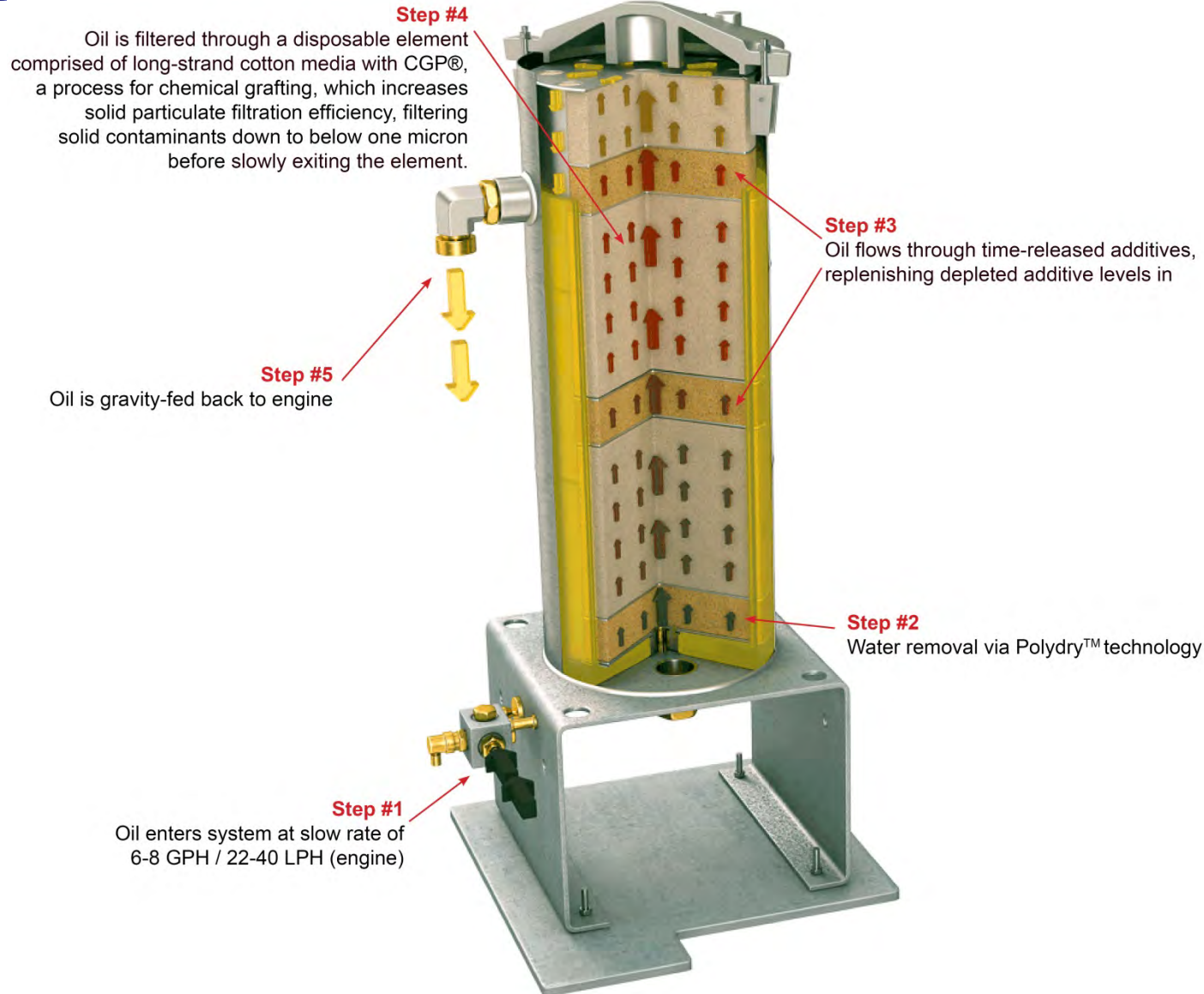
The puraDYN[®] Oil Filtration System

- Is a multi-stage, highly efficient bypass oil filtration system
- Works with the oil in an engine or hydraulic system
- Cleans oil by removing solid, liquid and harmful gaseous contaminants
- Maintains proper lubricant viscosity
- Works in conjunction with the OEM full-flow filter
- Additive package maintains proper TBN levels in engine oil
- Process for chemical grafting, CGP[®], maximizes filtration capabilities
- Polydry[™] polymer-based technology captures and removes water contamination, addressing new regulations for gas and dual-fuel engines; eliminates electrical connection

Safely extends oil drain intervals!



The puradYN® Filtering Process





The puradYN[®] Benefits

Safely Extends Oil Drain Intervals

- Up to 90% of new oil purchases
- Up to 90% decrease in waste oil and disposal
- Less handling of oil and possible environmental problems
- Decreased downtime / increased productivity
- Oil Viscosity Is Properly Maintained
- Oil Additives are Replenished

Equipment Runs on Continuously Clean Oil

- Significant extension of engine life and efficiency
- Savings from replacement of worn engine parts
- Extends life of costly engine assets ~20-25% or more

Attractive Payback & ROI – Usually 3 to 10 Filter Changes

Evaluates the physical and chemical properties found in oil

Provides:

- Understanding of quality of lubricant
- Effectiveness of the filtration system
- The operating condition of the equipment

Oil analysis should be performed
at each **puraDYN**[®] filter change.



Independent Test Results

SAE HS 806-95 ISO Fine Dust Test:

- 100% Efficiency over 200 Hrs.

SAE HS 806-95 SOFTC-2A

- Avg. 69% Efficiency over 100 Hrs.

US Department of Energy at Idaho National Laboratory for the US Government

- Final Test shows an average of 89% avoidance in oil changes and 89% oil usage reduction



Savings Analysis

Society of Automotive Engineers (SAE) #660081

“Filtration of previously used oil to 5 microns had no significant effect on wear, but filtration to 1 micron had a substantial effect on wear.”

A fuel consumption study conducted in 2000 at the University of Leeds* demonstrated the benefits associated with cleaner oil on fuel economy. The test noted that the engine’s fuel efficiency increased 2%-3% when a bypass filter was used along with a full flow filter.

***Ref: SAE #2000-01-0234**

puraDYN[®] Filter

“Filtration effectiveness – 0.5 to 1 micron”.



Selecting a puradYN[®] System

Severe applications and operating environments may require model size adjustment from that shown on the standard sizing chart below.

Please contact your local distributor or Puradyn directly if you have any questions about the correct size system for your application or environment.



| puradYN[®] SYSTEM | ENGINE OIL CAPACITY* | HYDRAULIC OIL CAPACITY |
|---------------------------------------|---------------------------------|-----------------------------------|
| MTS 8 | Up to 10 qts / 9.6 L | -N/A- |
| MTS 8x12 | Up to 24 qts / 22.7 L | 15 gallons |
| MTS 12 | Up to 24 qts / 22.7 L | 15 gallons |
| MTS 24 | Up to 44 qts / 41.7 L | 40 gallons |
| MTS 40 | Up to 100 qts / 94.7 L | 100 gallons |
| MTS 60 | Up to 172 qts / 162.8 L | 500 gallons |
| MTS 240 | Up to 340 qts / 322 L | 1,000 gallons |



*Higher quart capacity assumes use of CGP additive.

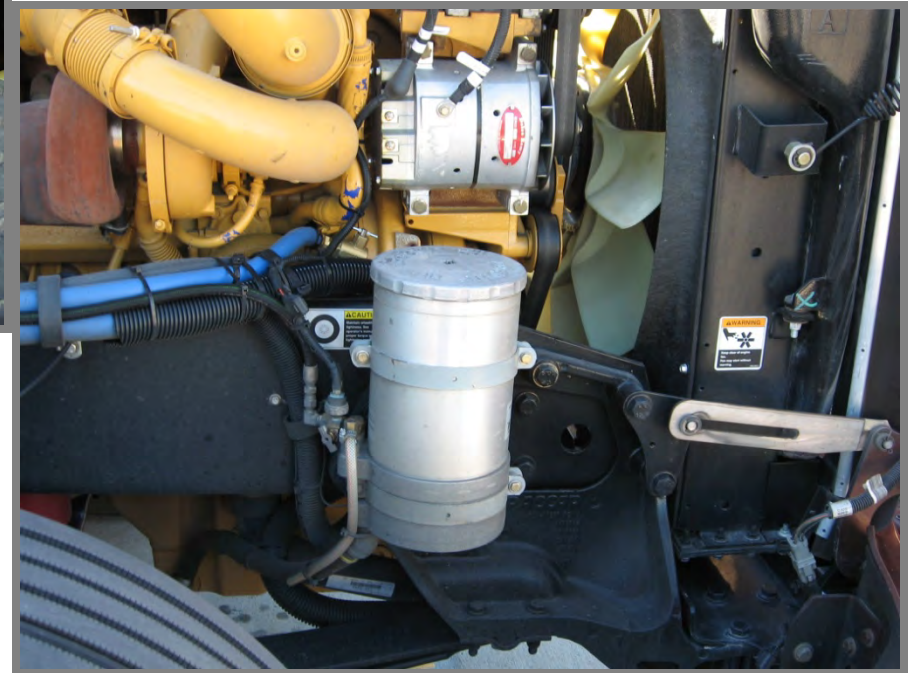
The **puraDYN**[®] Oil Filtration System:

- Safely extends oil drains
- Removes solid contaminants down to 1 micron
- Removes liquid contaminants, such as fuel and water
- Removes harmful gaseous contaminants
- Replenishes additives to engine oil
- Offers attractive payback and ROI

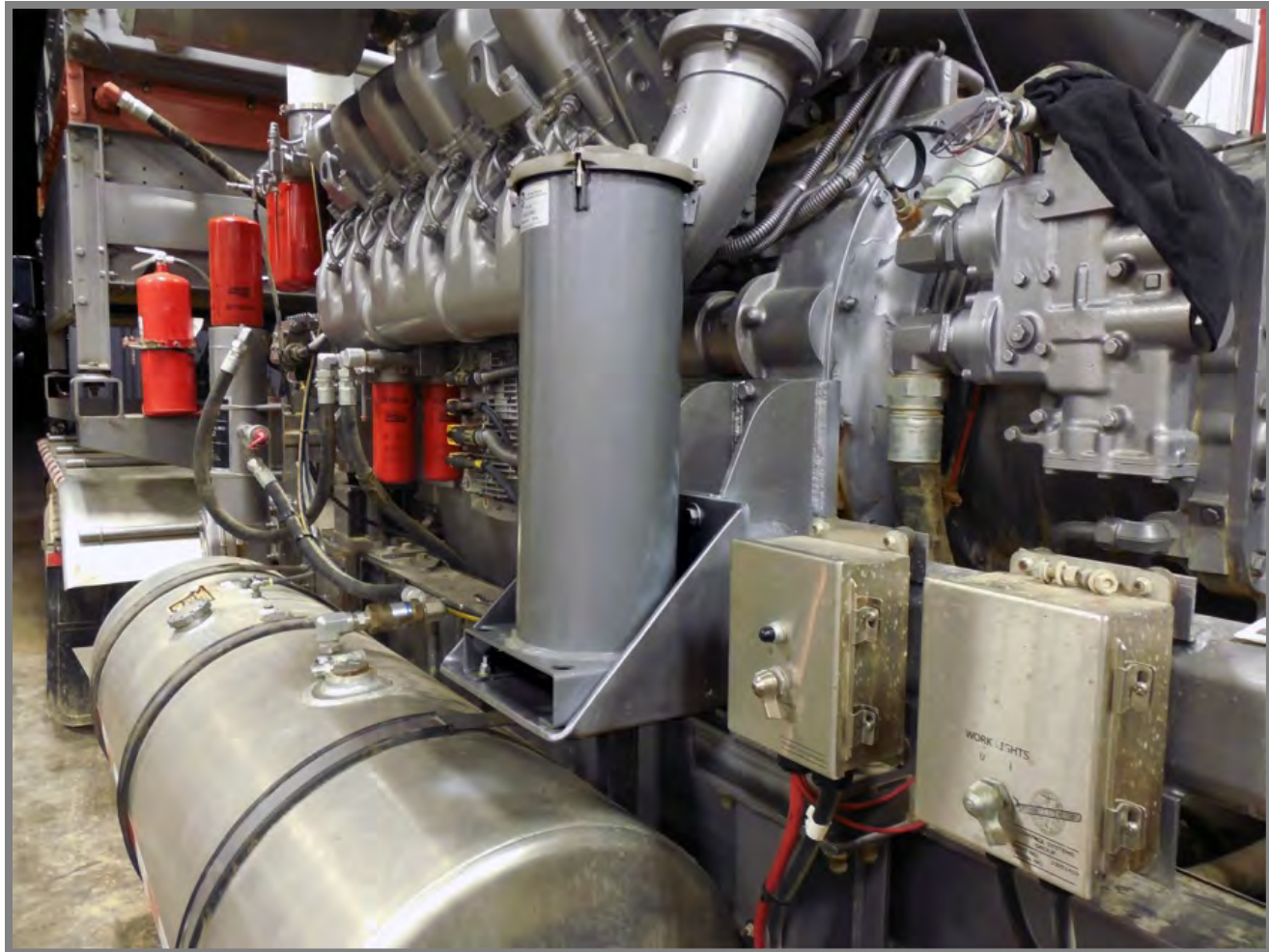




2007 Cat Engine Equipped with puradYN®



Frac Truck Equipped with puradYN[®]





Cat 785B Haul Truck Equipped with **puradYN**®





GenSet A Plant Equipped with **puraDYN**[®]

All new Generators Factory-Equipped with Puradyn Oil Filtration Systems to Achieve Engine Oil and Filters Service Interval Extension from 250 to 1,000 hours





**For more information on the puraDYN® Oil Filtration System
contact:**

Customer Service

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www.puradyn.com

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