

Power Onward™



OptiNAS+ Hydraulic Filter

Maximize Performance, Minimize Costs:
Advanced Filtration for Heavy Duty Equipment



Introducing the OptiNAS⁺ Hydraulic Oil Filter

OptiNAS⁺ Hydraulic Oil Filter is designed to enhance the performance and longevity of your heavy-duty machinery.

The OptiNAS⁺ is a continuous bypass hydraulic oil filter that uses advanced Graded Density Depth Technology to deliver superior filtration.

What Makes OptiNAS⁺ Different?

Unlike standard surface filters or true density filters, the Graded Density Depth Technology captures particles of various sizes at different depths. This increases the dirt-holding capacity of the filter, ensuring superior protection for your equipment.

By maintaining optimal NAS levels (National Aerospace Standard), the OptiNAS⁺ system keeps your hydraulic oil cleaner for longer, significantly reducing the need for oil replacements and extending the lifespan of your equipment.

Why is Oil Quality Critical?

Poor quality oil accounts for up to 80-90% of hydraulic component failures leading to equipment downtime. The OptiNAS⁺ keeps your oil in the optimum NAS Level, reducing impurities and increasing operational reliability.

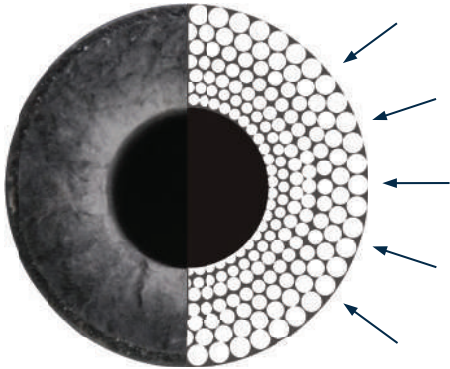
The National Aerospace Standard (NAS) value is a measurement of the contamination level of hydraulic oil. The NAS 1638 table indicates the maximum allowed particle counts for different impurity particle size ranges:

NAS Grade:

Particle Size (μ)	NAS 1	NAS 2	NAS 3	NAS 4	NAS 5	NAS 6	NAS 7	NAS 8	NAS 9	NAS 10	NAS 11	NAS 12
5 - 15	500	1000	2000	4000	8000	16000	32000	64000	128000	256000	512000	1024000
15 - 25	89	178	356	712	1425	2850	5700	11400	22800	45600	91000	182000
25 - 50	16	32	63	126	253	506	1012	2025	4050	8100	16200	32400
50 - 100	3	6	11	22	45	90	180	360	720	1440	2880	5760
>100	1	1	2	4	8	16	32	64	128	256	512	1024

*Numbers in 100 ml

Graded Density Depth



5-15μ Particles in 100mL Oil

NAS 12

10,24,000

→

NAS 8

64,000

93.75% Reduction

in Particles

Key Benefits of Clean Oil:



Longer Oil Replacement Cycles



Reduced Wear On Key Components




Improved Hydraulic System Efficiency




Lower Operating Costs


Key Features:




Easy to install on equipment




Operates with existing system pressure



Compact in size



Graded Density Depth cartridge for long life



Maintains oil quality better than barrel fresh oil
i.e. < NAS 8, throughout the operation

Key Product Specifications:

OptiNAS⁺ Hydraulic Oil Filters are designed for different sump capacities and ensure effective filtration for a wide range of heavy-duty machinery.

Product Description	Part Number	For Equipment of Sump Capacity
OptiNAS ⁺ S-15 Hydraulic Filter	AX1018260	200 L ^{(B)(C)}
OptiNAS ⁺ S-30 Hydraulic Filter	AX1018261	400 L ^{(B)(C)}
OptiNAS ⁺ S-60 Hydraulic Filter	AX1018262	800 L ^{(B)(C)}

Note: Cartridge options are available up to NAS 4 (ISO 13/10) on request

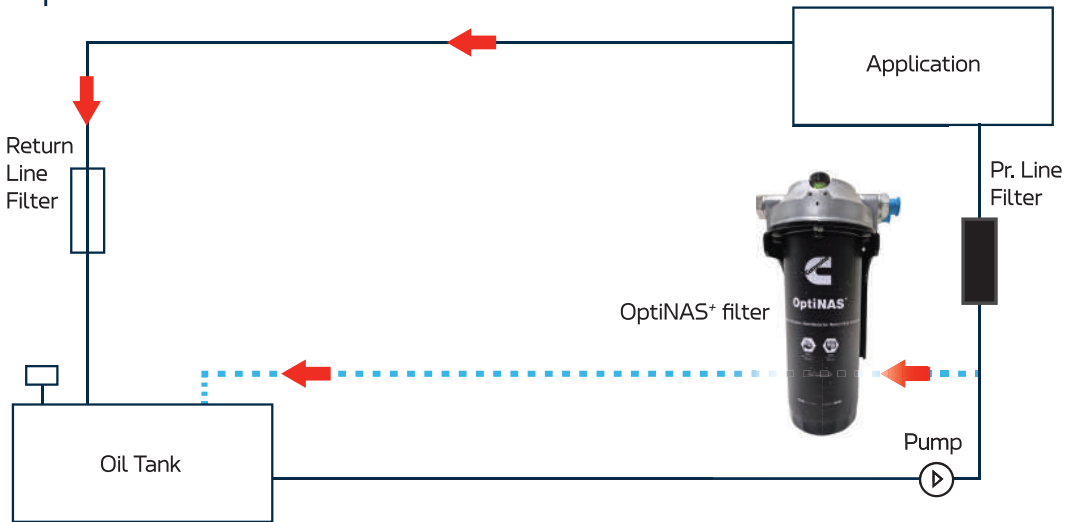
(A) All quality options available from NAS 10 (ISO 19/16) to NAS 4 (ISO 13/10).

(B) Tank size is assumed to be 60% of total system oil volume.

(C) Higher capacity models available on request.

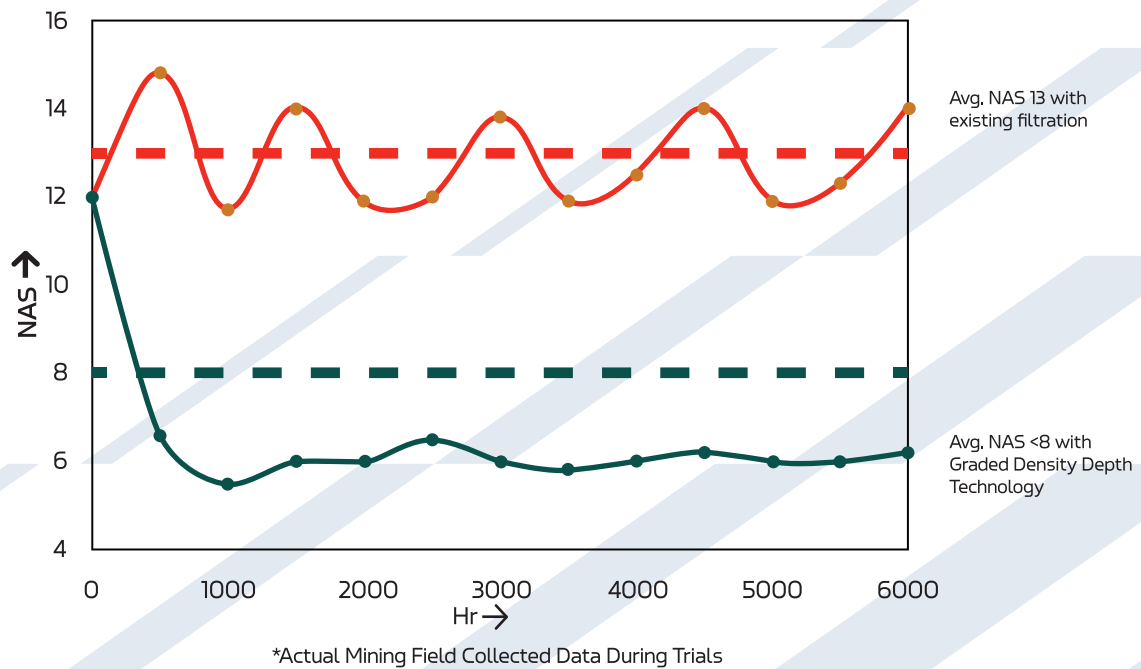
(D) Box consists of 1 Nos OptiNAS⁺ complete unit with Filter Cartridge, Flow Control Valve, High Pressure Inlet Hose and Low Pressure Return Hose.

Working Principle:



Proven in the Field:

The OptiNAS⁺ has been field-tested and proven in some of the toughest conditions, delivering impressive results in terms of reduced downtime, fewer oil changes, and enhanced overall hydraulic system performance.



Easy Installation:

The OptiNAS⁺ filter is designed for quick and easy installation, minimizing downtime and disruption to your daily operations.



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