Count Down

FILTRATION

sales@cdf-ltd.com

07909 911070

CountDown Filtration Services

- Oil & Greases Supplied
- Filtration Service
- Tank Cleaning
- Machine Degreasing & Cleaning
- Machine Servicing
- Oil Analysis Service
- Steam Cleaning
- Leak Identification & Repair
- Miscellaneous Service

If its oil related, call us, we'll always try to help!

Telephone: 07909 911070

BRITISH INDUSTRY SPENDS AROUND £ ½ BILLION
EACH YEAR ON SELF CONTAMINATION!!!
Everyday in factories all over the U.K., Hydraulic Oil is being replaced by new oil.

Everyday Hydraulic Failures are being caused by contaminants in oils.
(The D.T.I. reports that up to 85% of all Hydraulic Failures are caused by particulates in oils)

So WHY does industry spend so much money on SELF CONTAMINATION?

The answer is simply that new oil does not meet the standard of particulate contamination required by the machines they service.

And that's where Countdown Filtration comes in...

Apart from the CONTAMINATION there's the cost in DOWNTIME and PRODUCTION LOSS and of course the issue of OIL DISPOSAL in an ever-more environmentally conscious and concerned world.

And that's where Countdown Filtration comes in…

It makes sense to us all to change oil, but…

If there was a way to CLEAN it to a standard BETTER than new oil

If we could REMOVE the damaging particles and MONITOR the oil's effectiveness over the long term

If we could prevent DUMPING so much oil on our environment and…

If we could do all this WITHOUT PRODUCTION LOSS,
without shutting down the machine, without having to replace it
and
at about HALF THE COST of equivalent new oil...

Well then you'd be delighted to join the growing number of our cost conscious, environmentally concerned clients.

Call Countdown Filtration now – We'd love to be of Service!

This is DIRTY OIL DISPOSAL
…the OLD WAY

…and this is
Countdown Filtration!!

At Countdown Filtration we don't believe in dumping oil. It costs money, needs to be controlled, wastes time, valuable production costs and it messes up the environment as well as your factory.

But at Countdown Filtration we DO believe in CLEAN oil.
In fact, we make oil CLEANER THAN NEW!
We believe in saving money and maximising efficiency. That's why we clean your oil in-situ, without down-time or production loss and to a standard right for your machinery.

"Most hydraulic failures are caused by dirt. Very small particles damage seals, abrade surfaces, block orifices and cause valve spools to jam. In hydraulic systems, cleanliness is next to Godliness"

The following table serves as a guide to clean oil purity for various industries.
Check your machinery against the levels needed to meet the ISO4406 standards and contact Countdown Filtration to correct and maintain your oil's efficiency.

	BS5540/4 ISO/DIS 4406 CODE	Def. Std. 05/42		NAS1638	SAE749
		Table A	Table B		
	11/8	-	-	2	-
	12/9	-	-	3	0
Missile systems --	13/10	-	-	4	1
	14/9	-	400F	-	-
	14/11	-	-	5	2
	15/9	400	-	-	-
	15/10	-	800F	-	-
New injection moulders --	15/12	-	-	6	3
	16/10	800	-	-	-
	16/11	-	1300F	-	-
CNC Machine Tools-injection/Blow Moulders --	16/13	-	-	7	4
	17/11	1300	2000F	-	-
Heavy Plant Equipment --	17/14	-	-	8	5
	18/12	2000	-	-	-
	18/13	-	4400F	-	-
New oil standard --	18/15	-	-	9	6
	19/13	4400	6300F	-	-
	19/16	-	-	10	-
	20/13	6300	-	-	-
	20/17	-	-	11	-
	21/14	15000	-	-	-
	21/18	-	-	12	-
	22/15	21000	-	-	-
	23/17	100000	-	-	-

Countdown Filtration Services Prices

FILTRATION SERVICE

Although dependent upon the type of fluids and contaminates resident, our charges start as little as 65p per litre including all disposables.

Our minimum call-our charge is £250.00 (or 600 litres approximately).

High Water contamination will result in additional cost, to cover the number of filter changes required and although no firm price can be given where water is present our operator will quote, on site and before the work is completed. The price for each filter element change is £180.00 (set of four).

MACHINE DEGREASING & STEAM CLEANING

For a price, contact our sales office who will be pleased to offer a guide price based upon the machinery involved and the level of work to be carried out.
Prices start from as little as £40.00 per machine when on site for other work and include all materials and disposables.
Our minimum call-out charge is applicable of £250.00 (first 3 hours).

OIL ANALYSIS SERVICE

Our analysis reports cost £58.00 each including postage, when done as part of an on-site service. For special analysis services contact our sales office who will be pleased to quote dependent upon your needs.

OIL & GREASES

Prices are available on request.

TANK CLEANING

Our minimum call-out charge of £250-00 (first 3 hours) applies.
Prices are usually given after we survey, based upon the minimum charge for the first 3 hours and £47-50 per hour thereafter. This includes all materials and disposables.

MACHINE SERVICING, LEAK IDENTIFICATION & REPAIR

Prices are given after survey and are based on £50.00 per hour of our engineer's time including travel. Parts, materials and disposables are additional and there is a minimum charge call-out of £250.00.

Oil Nurse

cleaning matters...

Decreases maintenance, increases oil-life and significantly improves our environment

Countdown's permanently placed Oil Nurse filtration unit is designed for constant filtration on production machinery and offers all of the benefits of our service with the added advantage of knowing that your hydraulics or lubrication system is nursed throughout production.
The unit works in parallel with the main fluid system and cleans the oil of damaging particles including water.

The Oil Nurse's pump characteristics are supplied depending upon your oil's viscosity and normal operating temperature.
Once the cartridge elements are full, the unit will automatically shut off and alert the operator to replace the cartridge by means of a 'Filter Full' light. Cartridge changes can be performed in minutes and the filtration unit can be back in operation without shutting down your equipment.

Technical Specifications:-	
Size	673L x 253w x 520h mm overall
Motors	0.75kw.
	A.C.
	Single Phase 220V
	3 Phase 220/380V
	1500rpm
	D.C.
	24V
	2000rpm
Pump	Gear Type
Pressure Switch	Set to 5.5 bar
Filter bowl	Nickel and zinc, powder coated lid
Filter Elements	Poly-coated tissue wound to 450g as standard, 3-micron available on 2nd bowl
Framework	Mild steel, powder coated
Control box	Power on/off lighted switches. Start contactor fitted with overload trip. Hour timer (optional). Recessed 3-pin socket for 3m mains lead fitted with 6-amp fused plug

Sources of contamination

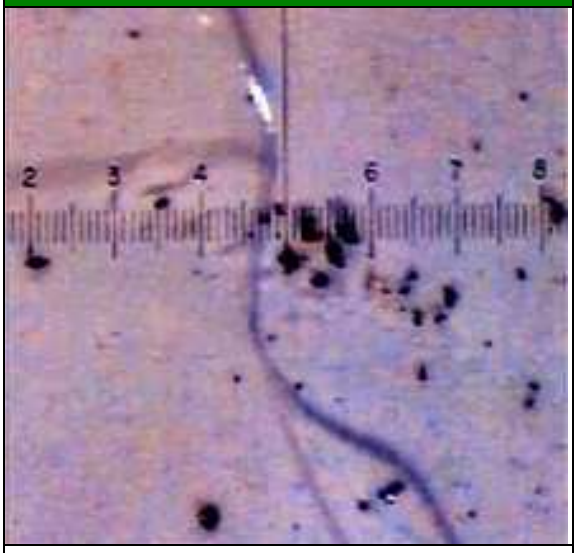
There are four primary sources for solid contamination to enter a hydraulic fluid. They are: contaminated new oil, built-in contamination, ingressed contamination and internally generated contamination. Each of these sources needs to be understood as each is a major consideration in filter placement.

Contaminated New Oil

Although hydraulic and lubrication fluids are refined and blended under relatively clean conditions, the fluid travels through many hoses and pipes before it is stored in drums or in a bulk tank at the user's facility.
At this point, the fluid is no longer clean as the fluid lines it has travelled through have contributed metal and rubber particles, and the drums have added flakes of metal or scale.
Storage tanks are a real problem because water condenses in them causing rust particles.
Contamination from the atmosphere can also find its way into the tank unless satisfactory air-breathers are fitted.

If the fluid is stored under reasonable conditions, the principal contaminants on delivery to the machine will be metal, silica and fibres.
With fluids from reputable suppliers, sampling has shown typical Cleanliness Levels of 17/16/14

Dirty New Oil



Contamination particles found in new fluid include rust, scale, fibres and sand
(photomicrograph at 100X)

Particle Count ISO Codes

No. of particles per ml Greater Than	No. of particles per ml Less Than	Range No.
80000	160000	24
40000	80000	23
20000	40000	22
10000	20000	21
5000	10000	20
2500	5000	19
1300	2500	18
640	1300	17
320	640	16
160	320	15
80	160	14
40	80	13
20	40	12
10	20	11
5	10	10
2.5	5	9
1.25	2.50	8
.64	1.25	7
.32	.64	6
.16	.32	5
.08	.16	4
.04	.08	3
.02	.04	2