

OMEGA RECYCLING TECHNOLOGIES



RESTORE CONTAMINATED OILS
TO "LIKE NEW CONDITION"
WITH OMEGA'S RECLAIMERS



R

ESTORE CONTAMINATED OIL TO “LIKE NEW CONDITION” WITH OMEGA’S RECLAIMER

Through expertise and RD in the oil purification field Omega is producing a state of the art oil reclaimer that will deliver nothing less than pure oil.

DO NOT WASTE OILS!

- 1) Reclaim oil on site and save.
- 2) Avoid down time. Oil purification could be accomplished while your equipment is in operation.
- 3) Avoid transporting contaminated material and reduce your liability.
- 4) Improve performance of your equipment and reduce repairs and maintenance costs.
- 5) Designed for simple and efficient operation.
- 6) Fast payback.

APPLICATIONS

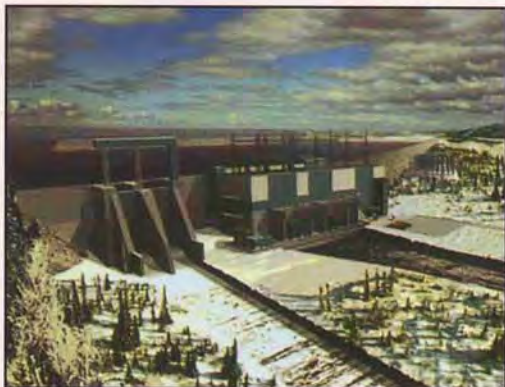
Oil contaminants are generally water (free or emulsified) air and various gases, solids, volatile contaminants, solubles contaminants (gums, resins, waxes etc...) surfactant and many more. All these contaminants affect the performance of the oils and reduce their effectiveness to perform the purpose for which they were developed. Omega's oil reclaimers will efficiently restore oil to "Like New" or better without removing any inhibitors or altering the original state of the oil.

TYPICAL OILS

Hydraulics fluids
Heat transfer fluids
Cutting oil
Electrical gear oils (insulating)
Vacuum pump oils
Draw - Roll oils
Lubricating oils
Transmission fluids
Castor oils
Quench oils
Turbine oils
Synthetic oils



R



One of Hydro Quebec's electric generating station where an Omega oil purification unit is installed.

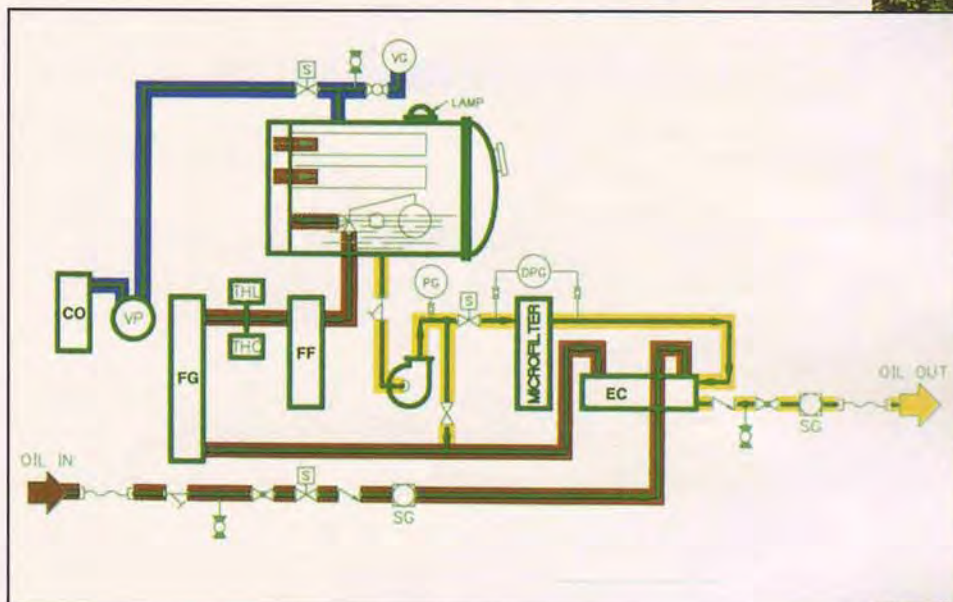
INDUSTRIES

Electrical utilities
 Chemical process plants
 Steel mills
 Machine tools
 Glass forming
 Electronics
 Aviation
 Pharmaceutical

Power plants
 Automotive
 Metal forming
 Marine
 High voltage gear mfg.
 Plastic forming
 Rubber forming
 Petro Chemical
 And many more...

OMEGA'S PROCESS

Through combined innovation and recent advances in purification technologies, Omega's oil purification units yield an end product of the highest purity as rated by laboratory tests. Filtration is primarily used to catch solids and slugs. The reactor itself is under a high vacuum combined with a dispersion process that exposes every drop of oil. Liquid impurities are thus separated from the purified oil, which sinks to the bottom and is then passed through a final submicron polishing filter before exiting the unit. Special treatment is available for specific applications.



FREE EVALUATION TESTS AND LABORATORY ANALYSIS

Omega offers an evaluation service on site, or in our factory, the results along with samples and our recommendation will be returned to you. Call Omega for any inquiry.

WATER REMOVAL PERFORMANCE DESIGNED TO YOUR NEEDS

MODEL	LBS/HOUR
OVR 100	14 LBS/HR.
OVR 300	52 LBS/HR.
OVR 500	70 LBS/HR.
OVR 800	112 LBS/HR.
OVR 1200	140 LBS/HR.
OVR 1800	252 LBS/HR.

Beside our standard units, Omega will study any particular case and recommend the most suitable unit. In certain cases combined units can be designed and packaged as an integrated system.

SPECS

MODEL	OVR100	OVR300	OVR500	OVR800	OVR1200	OVR1800	UNITS
CAPACITY (1)	100 400	300 1200	500 2000	800 3600	1200 4000	1800 7200	GPH L/H
HEATHER (2)	7	21	37	60(3)	72(3)	110(3)	KW
VACUUM PUMP	3/4	2	2	3	4	6	HP
DISCHARGE PUMP	1/3	1	1 1/2	2	3	4	HP
CONSUMPTION COOLING MEDIUM	FORCED AIR	6 24	10 40	16 64	20 80	36 144	GPM(4) L/M
VOLTAGE (5)	208 - 240 / 1 / 60 208 - 240 / 3 / 60		208 - 240 / 3 / 60				VOLT/ PH/HZ
VACUUM LEVEL	28 TO 29 948 TO 982						IN Hg MILLIBARE
CONNECTED LOAD	50 (6) 30	70	120	185	185	350	AMPS
WEIGHT (7)	810 370	1740 800	2700 1200	3600 1700	4200 1900	4800 2150	LBS KG
DIMENSIONS (8)	47 x 30 x 62 1.2 x .75 x 1.5	78 x 54 x 82 2 X 1.4 X 2.1	95 x 60 x 82 2.4 X 1.5 X 2.1	98 x 72 x 86 2.5 X 1.8 X 2.2	110 x 76 x 90 2.8 X 1.95 X 2.3	110 x 76 x 90 2.8 X 1.95 X 2.3	IN M

Due to market constraints and improvement, specs may change without notice.

NOTE:

- | | |
|---|---|
| (1) Units made to suite special size and application on request | (5) Other voltage and frequencies available |
| (2) Low density - low consumption due to energy saving systems | (6) Amperage will vary according to supply voltage (1 ph) |
| (3) Other heating medium available (steam or thermal oil) | (7) Approx. weights depending on options |
| (4) Based on water at 70°F - 30 PSI (22°C - 2 ATM) (built in chiller available) | (8) Dimensions approximate - check with factory when critical |

STANDARD FEATURES

- Compact design.
- Requires no installation.
- Automatic operation.
- Economical.
- Low watt density.
- Lighted reactor.
- Vacuum gauges.
- Digital temperature, controller and indicator
- Mobile unit up to OVR400 only, over on request
- Automatic recirculation (adjusts operation to % of water in oil).
- Full safety devices, (temperature, vacuum, pressure etc...).
- Inlet prefilter.
- Outlet micro filter.
- Integral condenser.
- Built in energy saver (heat exchanger).

OPTIONS

- ✓ Flow meter
- ✓ Condensate receiver
- ✓ Special treatment outlet filter
- ✓ Variable power control (SCR)
- ✓ Inlet pump
- ✓ Tanks
- ✓ Trailer mounted units
- ✓ Automatic condensate blow-down

OMEGA RECYCLING TECHNOLOGIES

Omega Recycling Technologies Inc
5742 Ferrier, Montreal, Quebec
Canada H4P-1M7



Tel: (514) 737-0551 Fax: (514) 731-1684
Toll Free: (800) 361-1194
e-mail: info@omega-systems.ca