



Introduction:
Hydraulic Fluid Management
by
KLEENTEK: Kleentek Filter (“KF Series”)
Marketing Materials

Focus Machinery Pte Ltd, Singapore

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Kleentek Corporation Inc., Japan



1. Our Heritage, History and Expertise
2. Value Proposition of Focus Machinery, Singapore
3. Value Proposition of KLEENTEK: Electrostatic Oil Cleaner (“EOC”)
4. Summary of Kleentek Filter (“KF”) series
5. Different model of Kleentek Filter (“KF”) series
6. Frequently Asked Question (“FAQ”)
7. Contact Information

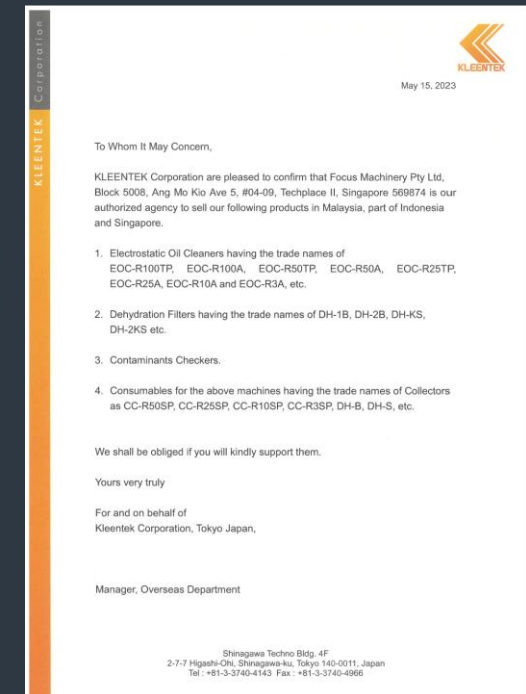
1. Focus Machinery Pte Ltd, Singapore – Our Story, History and Heritage

Focus Machinery Pte Ltd, Singapore has been working with Kleentek Corporation, Inc in Japan since 1999.

We started off supplying equipment such as dehumidifier dryers and parts and components dealing with used injection machine for the export market.

We supply and support equipment and tools of various make within the Asia Pacific Region, such as Singapore, Malaysia and Indonesia – Batam.

We've successfully supplied and delivered many units of Kleentek, Electrostatic Oil Cleaners ("EOCs") previously also known as Electrostatic Liquid Cleaners ("ELCs") to various industries such as plastic injection moulding industries, Injection stretch blow moulding (PET bottles production) and power generation plants in the region of Singapore, Malaysia, Thailand and Indonesia – Batam.



1. Letter of Appointment – Distribution Rights



May 15, 2023

To Whom It May Concern,

KLEENTEK Corporation are pleased to confirm that Focus Machinery Pty Ltd, Block 5008, Ang Mo Kio Ave 5, #04-09, Techplace II, Singapore 569874 is our authorized agency to sell our following products in Malaysia, part of Indonesia and Singapore.

1. Electrostatic Oil Cleaners having the trade names of EOC-R100TP, EOC-R100A, EOC-R50TP, EOC-R50A, EOC-R25TP, EOC-R25A, EOC-R10A and EOC-R3A, etc.
2. Dehydration Filters having the trade names of DH-1B, DH-2B, DH-KS, DH-2KS etc.
3. Contaminants Checkers.
4. Consumables for the above machines having the trade names of Collectors as CC-R50SP, CC-R25SP, CC-R10SP, CC-R3SP, DH-B, DH-S, etc.

We shall be obliged if you will kindly support them.

Yours very truly

For and on behalf of
Kleentek Corporation, Tokyo Japan,

Manager, Overseas Department

Shinagawa Techno Bldg. 4F
2-7-7 Higashi-Ohi, Shinagawa-ku, Tokyo 140-0011, Japan
Tel : +81-3-3740-4143 Fax : +81-3-3740-4966

To provide our customer with a
cost effective
solution to their challenges
in the area of
hydraulic lubrication

2. Our Knowledge in Hydraulic Fluid Lubrication Management



Product/Services

Illustration

Used Oil Contamination Control Management

- Provide used oil contamination control management for some of the major industry within the market; e.g. plastic manufacturing; utilities – power generations; distribution of electricity via the power grid; automobile manufacturing and aviation
- Designed in-house proprietary used oil contamination control management framework for one oil cleaner to multiple machine environment

Oil Analysis Performance Benchmarking

- Provide both independent and industry standard benchmarking for majority of the used oil analysis benchmarking.
- e.g. **RULER** (“**Remaining Useful Life Evaluation Routine**”) Oil Analysis – measure the level of remaining antioxidant additive levels in lubricating oils – turbine oil and hydraulic oil; **Total Acidic Number** (“**TAN**”) and **Total Base Number** (“**TBN**”)

Technical Support

- All Kleentek products supplied comes with manufacturer warranty coverage support, including spare parts and components – therefore you are not just coverage with your consumable, but also you can have a peace of mind whenever your machine encounter any technical issue.

Kleentek Corp Inc., - Agent for Singapore, Malaysia and Indonesia – Batam

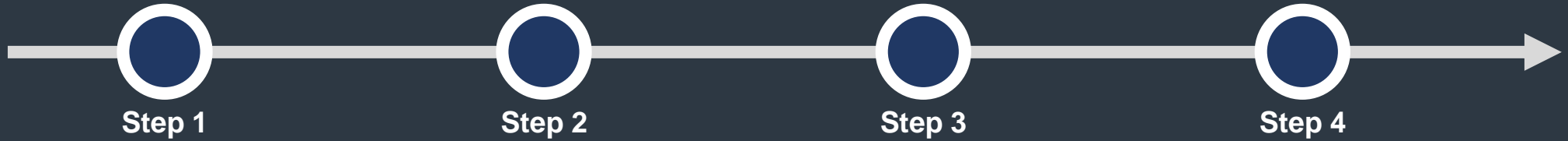
- We supplies all range of Kleentek product directly from Kleentek Corp Inc., Japan – therefore always remember to ask for your **Certificate of Origin** (“**C.O.I**”) upon any purchase, in order to ensure the product authenticity and validity.

4. Value Proposition of Kleentek: Electrostatic Oil Cleaner (“EOC”)



To promote sustainable practice through the reduced use of non-renewable natural resource by refocusing the use refined mineral oil while ensuring maximum uptime; reduce cost of maintenance and minimizing operational impact.

3. How We Operate and Works



	Step 1	Step 2	Step 3	Step 4
Client, (You)	<ul style="list-style-type: none"> initial contact expression of interest initial discussion 	<ul style="list-style-type: none"> benchmarking of oil performance (using Kleentek Oil Analysis report) benchmarking of oil performance using independent laboratory 	<ul style="list-style-type: none"> taking delivery of Kleentek's Oil Cleaner preparation of materials and resources 	<ul style="list-style-type: none"> taking delivery of oil cleaner implementation of oil management control perform oil top-up and replenishment based on Kleentek's recommendation
Focus Machinery Pte Ltd, Singapore	<ul style="list-style-type: none"> understanding of technical background, application collection of oil samples, (used/new) membrane patch testing, internal 	<ul style="list-style-type: none"> negotiation of pricing and payment term drafting of technical solution based on client's environment placement of order with the maker 	<ul style="list-style-type: none"> commissioning, installation of system boardroom presentation, on-site training 	<ul style="list-style-type: none"> performance measurement regular interval oil performance measurement yearly onsite visit with customer,
Kleentek Corp Inc., Japan	<ul style="list-style-type: none"> maker informed of the client, enquiry processing of oil samples oil analysis report 	<ul style="list-style-type: none"> maker produce the Kleentek machine with accordance to technical requirement tentative lead time: approxi. 3 months 	<ul style="list-style-type: none"> oil samples are sent back to Kleentek Corp Inc., Japan for oil analysis provide recommendation based on the oil analysis 	<ul style="list-style-type: none"> feedback on the performance of client's environment provide recommendation and feedback on client's environment



Summary:

Different models of KLEENTEK:
Kleentek Filter (KF Series)
Supplementary Unit

7. Summary of Using Kleentek: Kleentek Filter (“KF”) series

Main Point

Details

Application:

- for application where the fluid of concern is conductivity in nature
- where the electrostatic charges principles could not be applied due other baseline properties of the fluid to be purified

Applicable Fluid:

- Water Glycol/Mineral Oil
- Fatty Acid Ester
- Wash Oil
- Phosphate Ester Fluid

Environment:

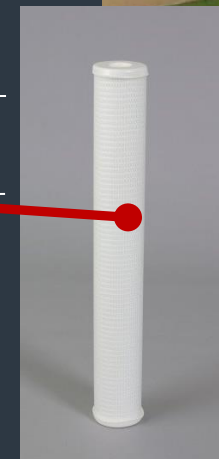
- Automotive Industry/ ATF & CVTF Test Stand
- Anti rust oil, Wash oil,
- Processing line for bearing, precision component and coachbuilding

Consumable:

- Element, K-50

Specification:

- Power Consumption (watt) : xxx W
- Pump Flow (lit/min) : 5.0 L/min @ 50Hz
- Dimension (L x W x H)(mm) : 535 x 375 x 940
- Weight (kilogram – kg) : 62



Other model of Kleentek Filter ("KF") Series: Product specification:



KF-8



KF-16



KF-32

consumable:
model of element:

1. 4 piece of K-50 element

1. 8 piece of K-50 element

1. 16 piece of K-50 element

Application:

- Mineral oil,
- Water Glycol
- Wash Oil, Fatty Acid Ester and
- Phosphate Ester (additional setup cost)

Different model with different cleaning capacities are also available, please speak to your local/regional sales representative

Other model of Kleentek Filter (“KF”) Series:
Product specification:



KF-8



KF-16



KF-32

**consumable:
model of element:**

1. 4 piece of K-50 element

1. 8 piece of K-50 element

1. 16 piece of K-50 element

**Lead Time:
(months/days)**

1 to 1.5 month/30 to 45 days
upon receipt of Purchase
Order (“PO”)

1 to 1.5 month/30 to 45 days
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Different model with different cleaning capacities are also available, please speak to your local/regional sales representative

Other model of Kleentek Filter (“KF”) Series:
Product specification:



KF-8



KF-16



KF-32

	KF-8	KF-16	KF-32
Max Operation Temperature (°c):	up to a maximum of 60°c – Celsius	up to a maximum of 60°c – Celsius	up to a maximum of 60°c – Celsius
Max quantity of water removal from the system	for oil capacity of up to 2,000 litres	for oil capacity of up to 4,000 litres	for oil capacity of up to 8,000 litres
Oil Flow Rate:	5 litres / min	10 litres / min	20 litres / min
Weight:	Approximately 62 kilogram (“kg”)	Approximately 87 kilogram (“kg”)	Approximately 157 kilogram (“kg”)
Application:	<ul style="list-style-type: none"> • Automotive industry / ATF & CVTF test stand • Anti Rust Oil, Wash Oil, • Processing lines for bearing, precision component and Coach build 		

Other model of Kleentek Filter (“KF”) Series: Product specification:



KF-8



KF-16



KF-32

**Consumable:
Model of Element:**

1. 4 piece of K-50 element

1. 8 piece of K-50 element

1. 16 piece of K-50 element

**Type of Water
Contamination Oil
Cleaner is applicable
for:**

Remove insoluble solid contaminant, varnish and oil oxidation products in fluid that are conductivity in nature – that are not suitable for electrostatic charges due to the conductivity nature of the fluid and lubricant involved.

Different model with different cleaning capacities are also available, please speak to your local/regional sales representative

Frequently Asked Questions (“FAQ”) Questions and Answer (“Q&A”)

Question: What’s the typical lifespan of unit of Kleentek: Electrostatic Oil Cleaner (“EOC”)?

Answer: Kleentek: Electrostatic Oil Cleaner (“EOC”) typically have a very long lifespan, however with all machinery – it comes with components that experiences wear-and-tear such as seals and High-Voltage (Hi-Volt) Transformer. Each high-voltage transformer can last for between 5-7 years before it need to replaced with accordance to the manufacturer guideline.

Question: Do I still need to perform, carry-out oil change with the implementation of Kleentek: Dehydration Unit (“DH”) with Electrostatic Oil Cleaner (“EOC”) ?

Answer: With the implementation of Kleentek: Electrostatic Oil Cleaner (“EOC”) in a standalone manner or in combination with any of the supplementary unit (e.g. Kleentek; Dehydration Unit (“DH”) or Kleentek Filter (“KF”)), no oil change is required, with the exception if the oil is not severe damage due to prolong use under very severe operation condition (very high operation temperature – above and beyond the oil supplier recommendation, extreme level of water contamination, and mixture of different grade, viscosity, brand and type of lubricant and hydraulic oil).

However we continue to recommend regular top-up of small percentage of oil in order to replenish the level of oil additive – in order to ensure that your existing lubrication continue to receive properties such as anti-foaming, anti-misting agents.

Frequently Asked Questions (“FAQ”) Questions and Answer (“Q&A”) (“cont.”)

Question: So what are some of the technical specification, operating requirement that is required in order to ensure that the right choice and sizing of machine is selected for my environment and application?

Answer: In order to ensure that the right sizing of equipment and model is selected, we would need to know:

- type of lubrication
- brand/grade of the lubrication that has been used;
- brand and model of the equipment,
- application of your equipment,
- frequency of preventive maintenance program adopted by your engineering team

In addition, we would need to know the total vol. of your system – oil change, and the expenses of your oil change program.

For more information, you may reach us at:



WRITE TO US

sales@focusmachinery.com.sg
enquiry@focusmachinery.com.sg



VISIT US ONLINE

www.focusmachinery.com.sg



Virtual Meeting

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