

# **Changing Diathermic Oil R10720**

**(INCLUDING MSDS)**

## CHECKPOINTS BEFORE CHANGING THE OIL ON THE DRESTER 10500/10600

- A. Check that the unit is not operating and that the oil is cold. Green light must be lit and Display read "Ready to start, Mode: 1,2 or 3".
- B. Disconnect power to the unit.
- C. Make sure that an empty drum, suitable for containing oil, is available. The drum must be able to hold at least 3,6 gallon.

## REPLACING OIL ON THE DRESTER 10500/10600

1. Unscrew the four screws securing the foot valve and place foot valve to the side next to the pump.



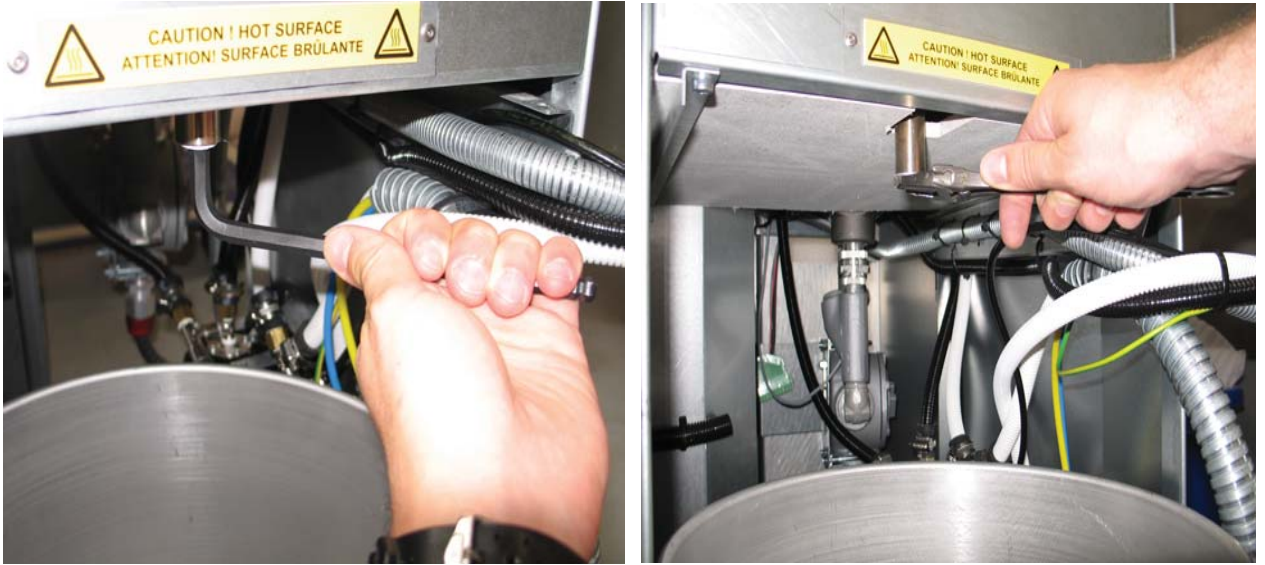
2. Pull out the collection drum and move it to the right hand side.



3. Place the empty oil collection drum under the oil outlet.



4. Unscrew oil plug and drain oil. Oil plug type may vary (Allen or Hex nut).



5. Make sure all oil is drained by tilting the unit slightly forward. NOTE: Dispose of old oil according to local rules and regulations.





6. Alt. 1. Re-apply teflon tape to the oil plug. Apply 6 to 8 layers of tape and re-fit the oil plug.  
Alt. 2. Replace aluminium washer.



7. Remove the black oil cap on top of the unit.



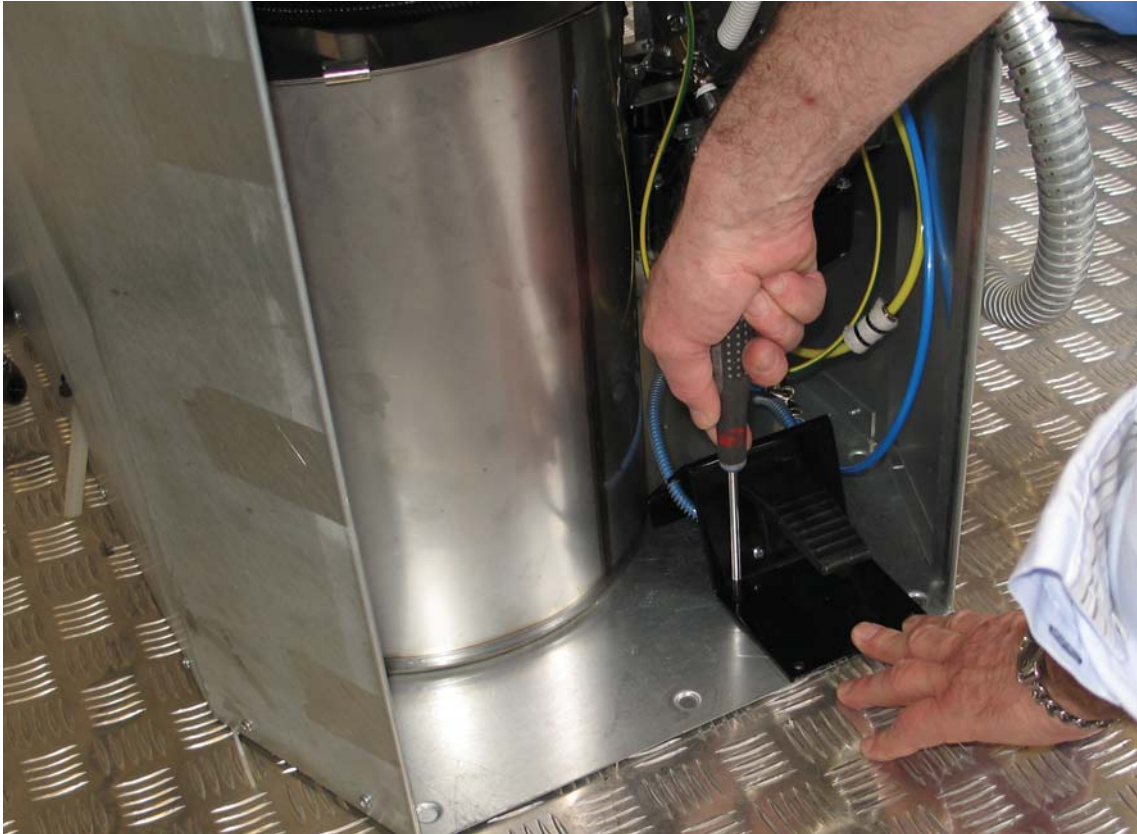
8. Fit the funnel and re-fill unit with the new oil. Pour gently to reduce the risk of accidental overflow. The plastic oil container comes filled with the correct amount of oil for the Drester 10500/10600. Make sure all oil is emptied into the recycler.



9. Remove funnel and re-fit the oil cap.



10. Put collection drum back in position and re-fit the foot pedal with the four screws.





## 11. Resetting working hours on the unit.

Press the “STOP” and “START” button at the same time for 10 seconds, keep “STOP” button pressed and step forward with the “START” button. On the display you will step by step be able to choose:

- Recycling mode 1
- Recycling mode 2
- Recycling mode 3
- Resetting working hours

Release the buttons when the display reading is “Resetting working hours”. By doing this the working hours of the oil is reset and the machine is ready for use again.





## SAFETY DATA SHEET

ThermWay X

Last changed: 15/03/2013

Replaces date: 10/03/2008

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name    ThermWay X

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.3. Details of the supplier of the safety data sheet

##### NATIONAL MANUFACTURER/IMPORTER

**Enterprise**    Statoil Fuel & Retail Sverige AB  
**Address**        Box 194  
**Postal code**    149 22 Nynäshamn  
**Country**        Sverige  
**Internet**        www.statoillubricants.com  
**Tel**                +46 8429 60 00  
**Fax**                +46 8 429 68 60

##### CONTACT PERSON

Name	Email	Tel	Country
Marie-Louise Linderoth	smle@statoilfuelretail.com	+46 8 429 68 82	
Milan Kopp	smkp@statoilfuelretail.com	+46 8 429 68 79	

##### MANUFACTURER IN EU/EEA, IMPORTER TO EU/EEA

**Enterprise**    Statoil Fuel & Retail Sverige AB  
**Address**        Box 194  
**Postal code**    149 22 Nynäshamn  
**Country**        Sverige  
**Internet**        www.statoillubricants.com  
**Tel**                +46 8429 60 00  
**Fax**                +46 8 429 68 60

##### CONTACT PERSON

Name	Email	Tel	Country
Marie-Louise Linderoth	smle@statoilfuelretail.com	+46 8 429 68 82	
Milan Kopp	smkp@statoilfuelretail.com	+46 8 429 68 79	

#### 1.4. Emergency telephone number

Emergency Phone	Type of assistance	Opening Hours
+46 8 33 70 43	Emergency Response Centre	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

DPD Classification:

Most serious harmful effects::

#### 2.2. Label elements

## SAFETY DATA SHEET

### ThermWay X

Last changed: 15/03/2013

Replaces date: 10/03/2008

#### OTHER LABELLING PHRASES

Safety Data Sheet available for professional user on request.

#### 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### INHALATION

Fresh air, rest and keep warm. Rinse nose, mouth and throat with water. Seek medical advice if symptoms persist.

##### INGESTION

DO NOT induce vomiting. Get medical advice.

##### SKIN

Wash the skin with soap and water. Remove contaminated clothing as soon as possible. Seek medical advice if symptoms persist. Product in use under high pressure that has been forced under the skin, is a serious situation that requires IMMEDIATE hospital treatment.

##### EYES

Flush with water. Contact physician if discomfort continues.

#### 4.2. Most important symptoms and effects, both acute and delayed

#### 4.3. Indication of any immediate medical attention and special treatment needed

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### SUITABLE EXTINGUISHING MEDIA:

Foam, powder, carbon dioxide.

##### UNSUITABLE EXTINGUISHING MEDIA

Water

#### 5.2. Special hazards arising from the substance or mixture

Heated product can form flammable vapours. Combustion can produce irritating fumes. Carbon monoxide (CO) may be formed in the event of incomplete combustion.

#### 5.3. Advice for firefighters

Use respiratory protection.

#### OTHER INFORMATION

Fire in closed areas should only be extinguished by trained personal. Containers near a fire must be moved and/or cooled with water.

## SAFETY DATA SHEET

### ThermWay X

Last changed: 15/03/2013

Replaces date: 10/03/2008

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### PERSONAL PRECAUTIONS

Mark the spillage. Use personal protection as stated in section 8.

#### 6.2. Environmental precautions

General:

Contain the spillage using sand, soil or other suitable material. Avoid seepage into the drains. Collect the spillage using cloths or suitable absorbent material. Immediately inform the government agency (fire brigade) if the spillage escapes into the drains or waterways. At large spillage inform the government agency (fire brigade). Collected material to be handled as advised under section 13.;

Water: ;

Contain the spillage and recover as much as possible. Smaller volumes can be recovered using suitable absorbents.

#### 6.3. Methods and material for containment and cleaning up

#### 6.4. Reference to other sections

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

#### 7.2. Conditions for safe storage, including any incompatibilities

Best under cover. Store container on their side so that the filling bungs are under the fluid level.

#### 7.3. Specific end use(s)

Store correctly to avoid spillage and oil vapours.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

Ingredient name	CAS No.	Range	ppm	mg/m <sup>3</sup>	Year	Remarks
Highly refined mineral oil (DMSO-extract < 3%, IP 346)		15 min.		3		
Highly refined mineral oil (DMSO-extract < 3%, IP 346)		8 h		1		

R=Toxic for reproduction, H=Skin absorption, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic

#### OTHER INFORMATION REGARDING LIMIT VALUES AND MONITORING

Based on the swedish OEL:s for oil mist including oil smoke.

#### 8.2. Exposure controls

##### APPROPRIATE ENGINEERING CONTROLS

Ensure a high level of personal hygiene. Ensure good ventilation. Do not wear cloths that are contaminated with product. Do not put oil-wet cloth / twist in your pocket. If there is a risk of direct contact or splashes, wear face visor or goggles, impervious gloves and protective clothing.



## SAFETY DATA SHEET

### ThermWay X

Last changed: 15/03/2013

Replaces date: 10/03/2008

#### EYE PROTECTION

Use suitable face visor or goggles.

#### SKIN PROTECTION

Oil impervious protective clothing.

#### HAND PROTECTION

Impervious protective gloves of Viton or nitrile rubber.

#### OTHER INFORMATION

For more information contact supplier of protection equipment.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>STATE</b>	Liquid.
<b>COLOUR</b>	Brownish.
<b>ODOUR</b>	Oil. Faint.
<b>SOLUBILITY</b>	Organic solvent (most).
<b>SOLUBILITY IN WATER</b>	Negligible

Parameter	Value/unit	Method/reference	Observation
pH (concentrate)	No data		
pH (solution for use)	No data		
Melting point	No data		
Freezing point	No data		
Initial boiling point and boiling range	No data		
Flash point	> 200 °C	ASTM D 92	
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	No data		
Vapour pressure	No data		
Vapour density	No data		
Relative density	No data		
Partition coefficient	No data		
Auto-ignition temperature	No data		
Decomposition temperature	No data		
Viscosity	~ 30 mm <sup>2</sup> /s	ASTM D 445	1)

#### 9.2. Other information

Parameter	Value/unit	Method/reference	Observation
Density	~ 863 kg/m <sup>3</sup>	ASTM D 4052	2)

Note no.	Comments
1	at 40°C.
2	at 15°C.

### SECTION 10: Stability and reactivity

## SAFETY DATA SHEET

### ThermWay X

Last changed: 15/03/2013

Replaces date: 10/03/2008

#### 10.1. Reactivity

#### 10.2. Chemical stability

Chemically stable

#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

When heated or during combustion carbon monoxide (CO) and other health hazardous compounds may be formed.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - dermal

Product that under high pressure has been forced under the skin, may cause serious cell damage/death under the skin.

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### ECOTOXICITY

Not harmful to aquatic organisms. Expected LC/EC 50 value > 100 mg/l.

#### 12.2. Persistence and degradability

Potentially degradable, but will persist in the environment for long periods.

#### 12.3. Bioaccumulative potential

Contain components with the potential to bioaccumulate. (logPow > 3)

#### 12.4. Mobility in soil

Low solubility in water, floats on water.

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

An oil film may cause physical damage to organisms and disturb the transportation of oxygen in the intermediate zone between air/water or water/air.

### OTHER INFORMATION

NB: The information above refer to: Highly refined mineral oil (DMSO < 3%, IP 346).

# SAFETY DATA SHEET

## ThermWay X

Revised: 15/03/2013

Replaces date: 10/03/2008

### SECTION 13: Disposal considerations

#### 1. Waste treatment methods

##### GENERAL REGULATIONS

This material, if discarded, should be considered an European hazardous waste in accordance with European Law. Please ensure conformity with procedures approved by the Local Authority.

Handling:

Disposal through approved facilities is recommended.

##### WASTE CATEGORY

13 03 07 :

### SECTION 14: Transport information

Classified as Dangerous Goods: **No**

#### Land transport (ADR/RID)

1. UN number	Not applicable	14.4. Packing group	Not applicable
2. UN description	Not applicable	14.5. Environmental hazards	Not applicable
3. Transport and hazard class(es)	Not applicable		
4. Transport and hazard label(s)	Not applicable		
5. Transport and hazard identification number	Not applicable	Tunnel restriction code	Not applicable

#### Land and water ways transport (ADN)

1. UN number	Not applicable	14.4. Packing group	Not applicable
2. UN description	Not applicable	14.5. Environmental hazards	Not applicable
3. Transport and hazard class(es)	Not applicable		
4. Transport and hazard label(s)	Not applicable		
5. Environmental hazard in tank labels	Not applicable		



## SAFETY DATA SHEET

ThermWay X

Last changed: 15/03/2013

Replaces date: 10/03/2008

### Sea transport (IMDG)

<b>14.1. UN number</b>	Not applicable	<b>14.4. Packing group</b>	Not applicable
<b>14.2. UN proper shipping name</b>	Not applicable	<b>14.5. Environmental hazards</b>	Not applicable
<b>14.3. Transport hazard class(es)</b>	Not applicable		
<b>Hazard label(s)</b>	Not applicable		
<b>Sub Risk:</b>	Not applicable		
<b>IMDG Code segregation group</b>	Not applicable		
<b>Marine pollutant</b>	Not applicable		
<b>Substance name(s) on marine pollutant</b>	Not applicable		
<b>EMS:</b>	Not applicable		

### Air transport (ICAO-TI / IATA-DGR)

<b>14.1. UN number</b>	Not applicable	<b>14.4. Packing group</b>	Not applicable
<b>14.2. UN proper shipping name</b>	Not applicable		
<b>14.3. Transport hazard class(es)</b>	Not applicable		
<b>Hazard label(s)</b>	Not applicable		

### OTHER INFORMATION

Not covered by the transportation of dangerous substances act.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### OTHER REGULATORY INFORMATION

This safety data sheet is created with use of legislation & regulation valid for the European Union, for example REACH, 1907/2006, CLP, 1272/2008 and national legislation.

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

#### Indication of changes

## SAFETY DATA SHEET

<b>ThermWay X</b>
-------------------

Last changed: 15/03/2013

Replaces date: 10/03/2008

### Indication of changes

Version	Rev. date	Responsible	Changes
1.0.0	12/11/2002	Marie-Louise Linderoth	Section 1-16.
1.1.0	16/01/2006	Marie-Louise Linderoth	1, 2, 4, 8, 9, 15 & 16.
1.2.0	31/01/2007	Marie-Louise Linderoth	Section 8, 9, 15 & 16.
1.3.0	10/03/2008	Marie-Louise Linderoth	Section 2 & 3.
1.4.0	15/03/2013	Milan Kopp	3

### Information sources

Applicable legislation. Information from the raw materiel supplier(s). Concawe report no. 6/05 The Classification and Labelling of Petroleum Substances According to the EU Dangerous Substance Directive.

### VENDOR NOTES

For in depth technical information, see our Technical Data Sheet for this product, and other technical papers.