

TD Oil

Traction Drive Fluid

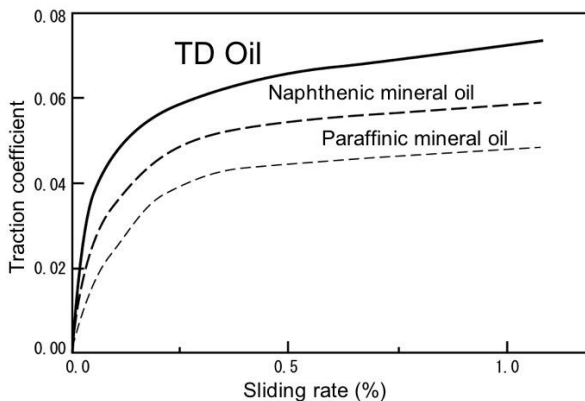
TD Oil is a high-grade synthetic lubricating oil specially designed for power transmission devices with traction drives. **TD Oil** is blended from a synthetic base oil with outstanding traction characteristics together with additives that ensure excellent oxidation stability, wear prevention, rust prevention and antifoaming property.

● SPECIAL FEATURES

1. **TD Oil is made with a base oil that has excellent traction characteristics, so it offers the following advantages when used in power transmission devices with traction drives:**

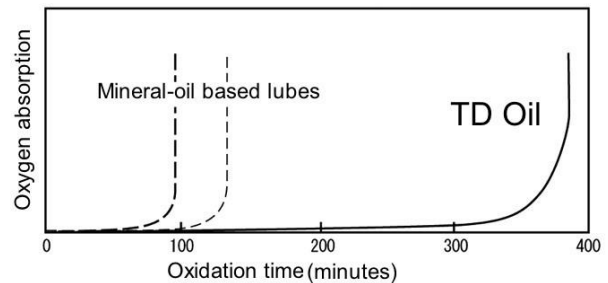
- (1) High power transmission rate.
- (2) High-horsepower power transmission.
- (3) Excellent starting characteristics without slipping.
- (4) Reduced rolling fatigue and longer equipment life.

Traction characteristics

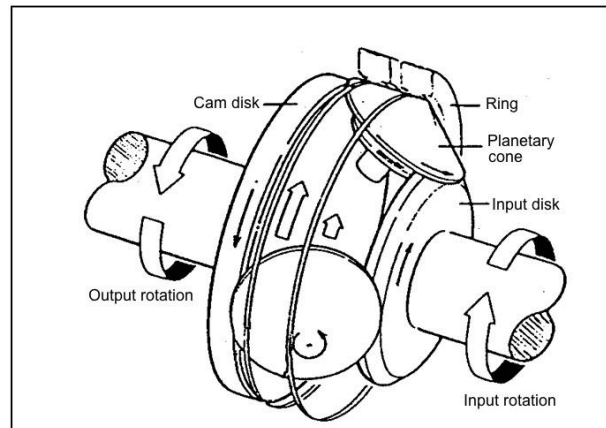


2. **Because TD Oil is made from 100% synthetic oil, it has extremely good oxidation stability. As a result, its quality remains consistently excellent for a very long time.**

Oxidation stability (RPVOT)



Rolling friction CVT



● APPLICATIONS

Traction-drive-type continuously variable transmissions in all types of machine tools, industrial machinery, etc.

● CONTAINERS

200-liter drums (#10 and #22 only), 20-liter pail cans.

● TYPICAL PROPERTIES OF TD OIL

Grade		10	22	150
Color	(ASTM)	Blue	Light red	Orange, L2.5
Density	(15°C) g/cm ³	0.840	0.861	0.862
Kinematic viscosity	(40°C) mm ² /s	9.9	21.6	151
	(100°C) mm ² /s	2.4	3.6	10.9
Flash point	(COC) °C	112	130	192
Pour point	°C	< -50	< -50	-32.5
Acid number	mgKOH/g	0.6	0.9	2.0
Copper strip corrosion (100°C, 3 h)		1	1	1
Rust prevention test (distilled water, 60°C, 24h)		Passed	Passed	Passed

Note: The typical properties may be changed without notice. (June 2010)



Handling Precautions

▼ Follow these precautions when handling this product.


TD OIL 10

Composition :	Base Oil, Additives
Precautionary pictograms:	
Signal word:	Danger
Hazard Statement:	May be fatal if swallowed and enters airways
Precautionary Statements:	<ul style="list-style-type: none"> Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not allow the eyes to become exposed to the product. Do not swallow the product. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
Response	<ul style="list-style-type: none"> IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician. IF ON SKIN: Wash with plenty of soap and water. Do NOT induce vomiting.
Storage	<ul style="list-style-type: none"> The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight. Containers that have been opened must be tightly sealed. Store locked up.
Disposal	<ul style="list-style-type: none"> Dispose of contents/container in accordance with local/regional/national/international regulations. If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.

TD OIL 22

Composition :	Base Oil, Additives
Precautionary pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	Not applicable
Precautionary Statements:	<ul style="list-style-type: none"> • Do not handle until all safety precautions have been read and understood. • Wear protective gloves/protective clothing/eye protection/face protection. • Do not allow the eyes to become exposed to the product. Do not swallow the product. • Wash hands thoroughly after handling. • Do not eat, drink or smoke when using this product.
Prevention	
Response	<ul style="list-style-type: none"> • IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. • IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. • If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician. • IF ON SKIN: Wash with plenty of soap and water.
Storage	<ul style="list-style-type: none"> • The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight. • Containers that have been opened must be tightly sealed.
Disposal	<ul style="list-style-type: none"> • Dispose of contents/container in accordance with local/regional/national/international regulations. • If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.

TD OIL 150

Composition :	Base Oil, Additives
Precautionary pictograms:	
Signal word:	Warning
Hazard Statement:	Causes serious eye irritation
Precautionary Statements:	<ul style="list-style-type: none"> • Do not handle until all safety precautions have been read and understood. • Wear protective gloves/protective clothing/eye protection/face protection. • Do not allow the eyes to become exposed to the product. Do not swallow the product. • Wash hands thoroughly after handling. • Do not eat, drink or smoke when using this product.
Prevention	
Response	<ul style="list-style-type: none"> • IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. • IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. • If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician. • IF ON SKIN: Wash with plenty of soap and water. • IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Storage	<ul style="list-style-type: none"> • The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight. • Containers that have been opened must be tightly sealed.
Disposal	<ul style="list-style-type: none"> • Dispose of contents/container in accordance with local/regional/national/international regulations. • If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.