

# MANITOU MASTED RANGE M/MC MC 70

## TURBO POWERSHIFT SERIES 3-E3

### PERKINS 1104D-44T (2007 AND AFTER)



**ENGINE** Perkins 1104D-44T  
Capacity: 8,5 liter

USE	CLIMATE
Normal	Moderate

PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
<b>Agridiesel CRD+ 15W-40</b>	<b>Dieselfleet CD+ 15W-40</b>	<b>Multifleet SHPD 15W-40</b>

*Check every 8 hours, change every 6 months/ 500 hours*

#### AXLE OSCILLATION REAR

USE	CLIMATE
Normal	Moderate

PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
<b>Labora Grease</b>	<b>Q5 MP Calcep Grease EP 2</b>	<b>MP Lithep Grease EP 2</b>

**DIFFERENTIAL FRONT** Dana  
Capacity: 6,2 liter, Capacity: 9,5 liter (Cooling circuit (optional))

USE	CLIMATE
Normal	Moderate

PRODUCT RECOMMENDATION 1		
<b>Agrifluid HT</b>		

*Check every 250 hours, change every 6 months/ 500 hours*

**HUB REDUCTIONS FRONT**  
Capacity: 0,75 liter (each hub)

USE	CLIMATE
Normal	Moderate

PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	
<b>Gearlube GL-5 80W-90</b>	<b>Unigear HS GL-3/GL-5 80W-90</b>	

*Check every 8 hours, change every 12 months/ 1000 hours*

USE	CLIMATE
Initial service	Moderate

PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	
<b>Gearlube GL-5 80W-90</b>	<b>Unigear HS GL-3/GL-5 80W-90</b>	

*Check every 8 hours, change every 6 months/ 500 hours*

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### PERKINS 1104D-44T (2007 AND AFTER)

**TRANSMISSION POWERSHIFT** Dana 4/3 4/3

Capacity: 12,5 liter

USE		CLIMATE
Normal		Moderate
PRODUCT RECOMMENDATION 1		
<b>ATF Almirol</b>		

*Check every 8 hours, change every 12 months/ 1000 hours*

USE		CLIMATE
Initial service		Moderate
PRODUCT RECOMMENDATION 1		
<b>ATF Almirol</b>		

*Check every 8 hours, change every 6 months/ 500 hours*

**HYDRAULIC SYSTEM**

Capacity: 108 liter (Hydraulic tank)

USE		CLIMATE
Normal		Moderate
PRODUCT RECOMMENDATION 1		
<b>Perlus H 46</b>		

*Check every 50 hours, change every 1000 hours/ 12 months*

**HYDRAULIC BRAKE SYSTEM**

USE		CLIMATE
Normal		Moderate
PRODUCT RECOMMENDATION 1		
<b>LHM +</b>		

*Check every 50 hours, change every 1000 hours/ 12 months*

**GREASE POINTS/NIPPLES**

USE		CLIMATE
Normal		Moderate
PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
<b>Labora Grease</b>	<b>Q5 MP Calcep Grease EP 2</b>	<b>MP Lithep Grease EP 2</b>

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## TURBO POWERSHIFT SERIES 3-E3

### PERKINS 1104D-44T (2007 AND AFTER)



#### GREASE POINTS/NIPPLES MAST

USE		CLIMATE
Normal		Moderate
PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
<b>Labora Grease</b>	<b>Q5 MP Calcep Grease EP 2</b>	<b>MP Lithep Grease EP 2</b>

#### COOLING SYSTEM

Capacity: 14,5 liter

USE		CLIMATE
Normal		Moderate
PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
<b>Coolant SP 15+</b>	<b>Coolant SP 12</b>	<b>Coolant -38 Organic NF</b>

*Check every 8 hours, change every 12 months/ 1000 hours*

*The data mentioned in this product information sheet is meant to enable the reader to orientate himself about the properties and possible applications of our products. Although this overview is composed with all possible care on the stated date, the compiler does not accept any liability for damages caused by incompleteness and/or inaccuracies in this information, especially when these are caused by obvious typing errors. The terms of delivery of the supplier apply to all product supplies. The reader is advised, especially for critical applications, to make the final product choice in consultation with the supplier. Due to continual product research and development, the information contained herein is subject to changes without notification.*