## CATERPILLAR BACKHOE LOADERS 416E SHA (2007-2012)



ENGINE Capacity: 7,3 liter		
USE		CLIMATE
Normal		Mediterranean
PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
Agridiesel CRD+ 15W-40	Dieselfleet CD+ 15W-40	Multifleet SHPD 15W-40
Change every 500 hours/ 3 months		
USE		CLIMATE
Normal		Moderate
PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	
Synfleet SHPD 10W-40	Multifleet SHPD 10W-40	
Change every 500 hours/ 3 months		

DIFFERENTIAL FRONT Capacity: 11 liter	
USE	CLIMATE
Normal	Mediterranean
PRODUCT RECOMMENDATION 1	
Gear Oil Alcat 50	
Change every 1000 hours	· · · · · · · · · · · · · · · · · · ·
USE	CLIMATE
Normal	Moderate
PRODUCT RECOMMENDATION 1	
Gear Oil Alcat 30	
Change every 1000 hours	
USE	CLIMATE
Normal	Arctic
PRODUCT RECOMMENDATION 1	
Gear Oil Alcat 10W	
Change every 1000 hours	

## **DIFFERENTIAL REAR** Capacity: 24 liter

We are unable to give a standard recommendation for this component. Please contact our service department.

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Normal PRODUCT RECOMMENDATION 1 Gear Oil Alcat 50  USE Normal Moderate  PRODUCT RECOMMENDATION 1 Gear Oil Alcat 30  USE Normal Normal Arctic  FINAL DRIVES REAR Capacity: 1,6 liter (each side) USE Normal Moderate  FINAL DRIVES REAR Capacity: 1,6 liter (each side) USE Normal Moderate  FINAL DRIVES REAR Capacity: 1,6 liter (each side) USE Normal Moderate  FINAL DRIVES REAR Capacity: 1,6 liter (each side) USE Normal Moderate  FRODUCT RECOMMENDATION 1 Gear Oil Alcat 30  TRANSMISSION Capacity: 20 liter USE Normal PRODUCT RECOMMENDATION 1 Gear Oil Alcat 30  Gear Oil Alcat 30  CLIMATE Mediterranean  Mediterranean  FRODUCT RECOMMENDATION 2 Gear Oil Alcat 50  CLIMATE CLIMATE Mediterranean  Mediterranean  FRODUCT RECOMMENDATION 2 Gear Oil Alcat 50  CLIMATE COId	FINAL DRIVES FRONT Capacity: 0,7 liter (each side)		
PRODUCT RECOMMENDATION 1 Gear Oil Alcat 50  USE  NOrmal  Moderate  PRODUCT RECOMMENDATION 1 Gear Oil Alcat 30  USE  NOrmal  FINAL DRIVES REAR Capacity: 1.6 liter (each side)  USE  NOrmal  Moderate  FINAL DRIVES REAR Capacity: 1.6 liter (each side)  USE  NOrmal  Moderate  FINAL DRIVES REAR Capacity: 1.6 liter (each side)  USE  NOrmal  TRANSMISSION Capacity: 20 liter  USE  NOrmal  PRODUCT RECOMMENDATION 1 Gear Oil Alcat 30  FRODUCT RECOMMENDATION 1 Gear Oil Alcat 30  Gear Oil Alcat 30  CLIMATE  Mediterranean  PRODUCT RECOMMENDATION 2 Gear Oil Alcat 30  CLIMATE  Mediterranean  PRODUCT RECOMMENDATION 2 Gear Oil Alcat 50  CLIMATE  COID  CLIMATE  CLIMATE  Mediterranean  PRODUCT RECOMMENDATION 2 Gear Oil Alcat 50  CLIMATE  COID	USE		CLIMATE
Gear Oil Alcat 50  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W   FINAL DRIVES REAR Capacity: 1.6 liter (each side)  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30   TRANSMISSION Capacity: 20 liter  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  TRANSMISSION Capacity: 20 liter  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  Change every 1000 hours  USE  CLIMATE  Mediterranean  Mediterranean  PRODUCT RECOMMENDATION 2  Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  Cold  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 40W	Normal		Mediterranean
USE NOrmal Moderate  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  USE Normal Arctic  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W  FINAL DRIVES REAR Capacity: 1,6 liter (each side) USE Normal Moderate  CLIMATE Moderate  FRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  TRANSMISSION Capacity: 20 liter USE Normal Normal Mediterranean  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  Change every 1000 hours USE Normal COId PRODUCT RECOMMENDATION 1  Gear Oil Alcat 50  Change every 1000 hours USE Normal COId PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W	PRODUCT RECOMMENDATION 1		
Normal PRODUCT RECOMMENDATION 1 Gear Oil Alcat 30  USE	Gear Oil Alcat 50		
PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W  FINAL DRIVES REAR Capacity: 1, 6 liter (each side)  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  TRANSMISSION Capacity: 20 liter  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  PRODUCT RECOMMENDATION 2  Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  Cold  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  Cold  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 50	USE		
Gear Oil Alcat 30  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W   FINAL DRIVES REAR Capacity: 1,6 liter (each side)  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30   TRANSMISSION Capacity: 20 liter  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  PRODUCT RECOMMENDATION 2  Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  PRODUCT RECOMMENDATION 2  Gear Oil Alcat 50  CLIMATE  Mediterranean  PRODUCT RECOMMENDATION 2  Gear Oil Alcat 50  CLIMATE  CLIMATE  COID  CLIMATE  CLIMATE  COID  COID  CRIMATE  COID			Moderate
Normal Normal Arctic  PRODUCT RECOMMENDATION 1 Gear Oil Alcat 10W  FINAL DRIVES REAR Capacity: 1,6 liter (each side) use Normal Moderate  PRODUCT RECOMMENDATION 1 Gear Oil Alcat 30  TRANSMISSION Capacity: 20 liter  use Normal PRODUCT RECOMMENDATION 1 Gear Oil Alcat 30  FRODUCT RECOMMENDATION 2 Gear Oil Alcat 30  Change every 1000 hours  use Normal Capacity: 20 liter CLIMATE Mediterranean  PRODUCT RECOMMENDATION 2 Gear Oil Alcat 50  Change every 1000 hours  use Normal CLIMATE Cold PRODUCT RECOMMENDATION 1 Gear Oil Alcat 10W  CLIMATE Cold			
Normal Arctic  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W  FINAL DRIVES REAR Capacity: 1,6 liter (each side)  use CLIMATE Normal Moderate  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  TRANSMISSION Capacity: 20 liter  use CLIMATE Normal Mediterranean  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  Gear Oil Alcat 30  Change every 1000 hours  use CLIMATE Normal CLIMATE Cold  PRODUCT RECOMMENDATION 2  Gear Oil Alcat 50  Change every 1000 hours  use CLIMATE Normal COLIMATE Cold  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W	Gear Oil Alcat 30		
FINAL DRIVES REAR Capacity: 1,6 liter (each side)  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30   TRANSMISSION Capacity: 20 liter  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  CLIMATE  Moderate  Moderate  CLIMATE  Moderate  CLIMATE  Mediterranean  PRODUCT RECOMMENDATION 2  Gear Oil Alcat 30  Change every 1000 hours  USE  CLIMATE  COId  CHANGE  CLIMATE  COId  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W	USE		CLIMATE
FINAL DRIVES REAR Capacity: 1,6 liter (each side)  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  TRANSMISSION Capacity: 20 liter  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  Gear Oil Alcat 30  CLIMATE  Mediterranean  PRODUCT RECOMMENDATION 2  Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  Cold  Change overy 1000 hours  USE  CLIMATE  COId  COId	Normal		Arctic
FINAL DRIVES REAR Capacity: 1,6 liter (each side)  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  TRANSMISSION Capacity: 20 liter  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  Change every 1000 hours  USE  CLIMATE  Mediterranean  Cold  Change Oil Alcat 30  Change overy 1000 hours  USE  CLIMATE  COID  C	PRODUCT RECOMMENDATION 1		
Capacity: 1,6 liter (each side)  USE	Gear Oil Alcat 10W		
Capacity: 1,6 liter (each side)  USE			
Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  TRANSMISSION Capacity: 20 liter  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  PRODUCT RECOMMENDATION 2  Gear Oil Alcat 50  Change avery 1000 hours  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 50  Change avery 1000 hours  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W	FINAL DRIVES REAR		
Normal PRODUCT RECOMMENDATION 1 Gear Oil Alcat 30  TRANSMISSION Capacity: 20 liter  USE Normal PRODUCT RECOMMENDATION 1 Gear Oil Alcat 30 Gear Oil Alcat 50  Change every 1000 hours  USE Normal PRODUCT RECOMMENDATION 2 Gear Oil Alcat 50  Change overy 1000 hours  USE Normal PRODUCT RECOMMENDATION 2 Gear Oil Alcat 50  Change overy 1000 hours  USE CLIMATE COId PRODUCT RECOMMENDATION 1 Gear Oil Alcat 10W	Capacity: 1,6 liter (each side)		
PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  TRANSMISSION Capacity: 20 liter  use	USE		
TRANSMISSION Capacity: 20 liter  USE Normal PRODUCT RECOMMENDATION 1 Gear Oil Alcat 30 Change every 1000 hours  USE Normal Change overy 1000 hours  USE Normal Change overy 1000 hours  USE Normal Cold PRODUCT RECOMMENDATION 1 Gear Oil Alcat 10W	Normal		Moderate
TRANSMISSION Capacity: 20 liter  use Normal PRODUCT RECOMMENDATION 1 Gear Oil Alcat 30 Change every 1000 hours  use CLIMATE Mediterranean  PRODUCT RECOMMENDATION 2 Gear Oil Alcat 50  Change every 1000 hours  use CLIMATE Cold  PRODUCT RECOMMENDATION 1 Gear Oil Alcat 10W	PRODUCT RECOMMENDATION 1		
Capacity: 20 liter  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  PRODUCT RECOMMENDATION 2  Gear Oil Alcat 50  CLIMATE  CLIMATE  COId  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W	Gear Oil Alcat 30		
Capacity: 20 liter  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  PRODUCT RECOMMENDATION 2  Gear Oil Alcat 50  CLIMATE  CLIMATE  COId  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W			
Capacity: 20 liter  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  PRODUCT RECOMMENDATION 2  Gear Oil Alcat 50  CLIMATE  CLIMATE  COId  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W	TRANSMISSION		
Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  PRODUCT RECOMMENDATION 2  Gear Oil Alcat 50  CLIMATE  Cold  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W	Capacity: 20 liter		
PRODUCT RECOMMENDATION 1 Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  PRODUCT RECOMMENDATION 2  CLIMATE  Cold  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W	USE		CLIMATE
Gear Oil Alcat 30  Change every 1000 hours  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W  Gear Oil Alcat 10W  Gear Oil Alcat 50  CLIMATE  Cold	Normal		Mediterranean
Change every 1000 hours  USE  Normal  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W  CLIMATE  Cold  Cold	PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	
USE CLIMATE Normal Cold  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W	Gear Oil Alcat 30	Gear Oil Alcat 50	
Normal Cold  PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W	Change every 1000 hours		
PRODUCT RECOMMENDATION 1  Gear Oil Alcat 10W	USE		CLIMATE
Gear Oil Alcat 10W	Normal		Cold
	PRODUCT RECOMMENDATION 1		
Change every 1000 hours	Gear Oil Alcat 10W		
	Change every 1000 hours		

## CATERPILLAR BACKHOE LOADERS 416E SHA (2007-2012)



HYDRAULIC SYSTEM Capacity: 40 liter		
USE		CLIMATE
Normal		Mediterranean
PRODUCT RECOMMENDATION 1		
Gear Oil Alcat 30		
Change every 2000 hours		
USE		CLIMATE
Normal		Moderate
PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
Kroontrak CVT 10W-40	Agridiesel CRD+ 15W-40	Agrifluid HT-Plus
Change every 2000 hours		
USE		CLIMATE
Biodegradable oil		Moderate
PRODUCT RECOMMENDATION 1		
Perlus Biosynth 46		
Change every 2000 hours		
HYDRAULIC BRAKE SYSTEM		

HYDRAULIC BRAKE SYSTEM Capacity: 0,7 liter	
USE	CLIMATE
Normal	Moderate
PRODUCT RECOMMENDATION 1	
Gear Oil Alcat 10W	

Normal Moderate  PRODUCT RECOMMENDATION 1  Coolant SP 17	COOLING SYSTEM Capacity: 23,6-25,5 liter	
PRODUCT RECOMMENDATION 1	USE	CLIMATE
	Normal	Moderate
Coolant SP 17	PRODUCT RECOMMENDATION 1	
Oblight of 17	Coolant SP 17	

Change every 6000 hours/72 months

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.