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Caterpillar

Operator's Manual

No. 428 Scraper

S/n 44D1 & Up

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CT-O-428SPR44D

Operator's Manual

**OPERATION AND
MAINTENANCE
INSTRUCTIONS**

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MANUAL PREVIEW

CATERPILLAR

NO. 428 SCRAPER

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LUBRICATION INSTRUCTIONS

6

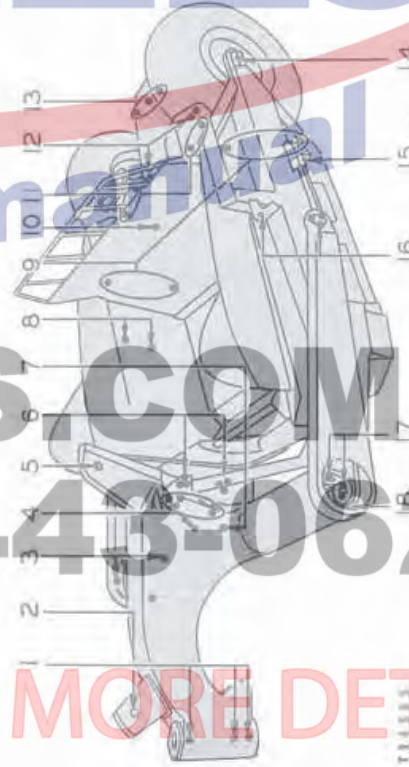
BR Ball and Roller Bearing Lubricant

Key to Lubricants
BR Ball and Roller Bearing Lubricant

Location of Points of Lubrication. Lubricant to Apply and Interval of Service

Point and Identification	Lubricant	SERVICE HOURS			
		10	250	1000	2000
1 Bolster Bushing and Thrust Washer	BR	X			
2 Bowl and Ejector Sheave Bearings	BR	X			
3 Traveling and Apron Sheave Bearings	BR	X			
4 Bowl Upper and Lower Sheaves and Apron Sheave Bearings	BR	X			
5 Apron Sheave Bearings	BR	X			
6 Bowl Upper and Lower Sheave Bearings	BR	X			
7 Ejector Sheave Bearings	BR	X			
8 Apron and Draft Frame Side Arm Bearings	BR	X			
9 Ejector Guide Roller Bearings and Carrier Roller Bearings	BR	X			
10 Ejector Sheave Bearings	BR	X			
11 Brake Cross Shaft Bearings	BR	X			
12 Slack Adjuster and Camshaft Bearings	BR	X			
13 Ejector Sheave Bearings and Ejector Support Rollers	BR	X			
14 Wheel Bearings	BR	X			
15 Ejector Sheave Bearings	BR	X			
16 Apron Bushing and Draft Frame Bearings	BR	X			
17 Ejector Sheave Bearings	BR	X			
18 Traveling Sheave Block Runners	BR	X			

Location of Points of Lubrication



*1000 service hours when operating under extreme conditions of high speed and on long hauls.

1

BOLSTER BUSHINGS AND THRUST WASHER

Lubricate Bolster bushings and thrust washer every 10 service hours.



2

BOWL AND EJECTOR SHEAVE BEARINGS

Lubricate every 10 service hours (two fittings).



3

TRAVELING AND APRON SHEAVE BEARINGS

Lubricate traveling sheave bearings (1) (two fittings) and apron sheave bearing (2) every 10 service hours.

Pull out latch handle on right door of draft frame to make fittings accessible.



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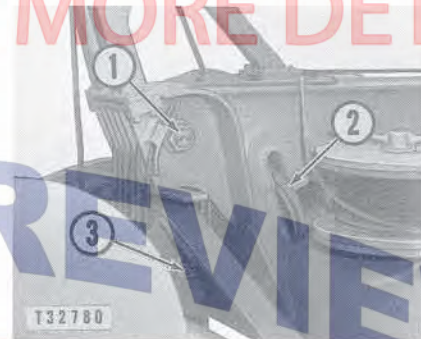
BR Ball and Roller Bearing Lubricant

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4

**BOWL UPPER AND LOWER
SHEAVES AND APRON
SHEAVE BEARINGS**

Lubricate upper sheave bearings (1) (three fittings) apron sheave bearings (2) (one fitting) lower sheave bearing (3), every 10 service hours.



5

APRON SHEAVE BEARING

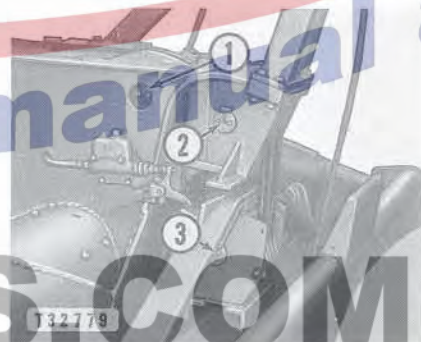
Lubricate every 10 service hours.



6

**BOWL UPPER AND LOWER
SHEAVE BEARINGS**

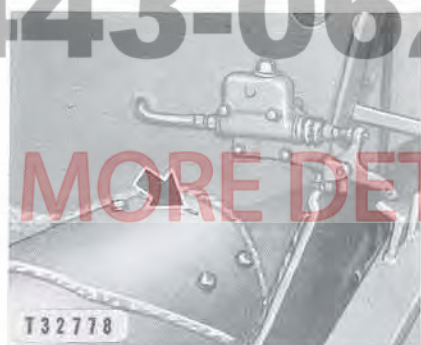
Lubricate upper sheave bearings (1) and (2) (four fittings) lower sheave bearings (3) (three fittings), every 10 service hours.



7

EJECTOR SHEAVE BEARINGS

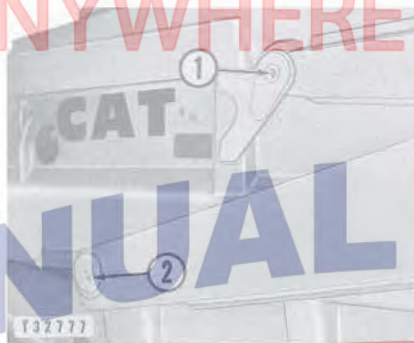
Lubricate ejector sheave bearings every 10 service hours.



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BR Ball and Roller Bearing Lubricant

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8

APRON AND DRAFT FRAME SIDE ARM BUSHINGS

Lubricate apron bushing (1) and draft frame side arm bushing (2), every 10 service hours.



9

EJECTOR GUIDE ROLLER BUSHINGS AND CARRIER ROLLER BEARINGS

Lubricate ejector carrier roller bearings at (1) and guide roller bushings at (2) every 10 service hours located on each side of the scraper.



10

EJECTOR SHEAVE BEARINGS

Lubricate every 10 service hours (three fittings).



11

BRAKE CROSS SHAFT BUSHINGS

Lubricate brake cross shaft bushings (1) every 10 service hours sparingly.

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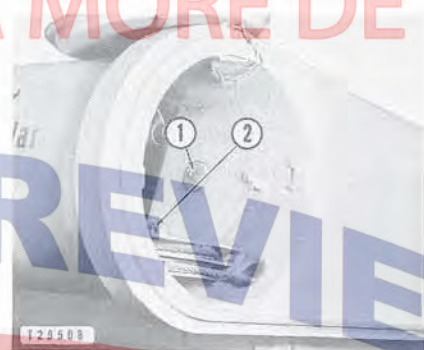
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BR Ball and Roller Bearing Lubricant**CLICK ANYWHERE FOR MORE DETAILS****17****EJECTOR SHEAVE BEARINGS**

Lubricate ejector sheave bearings at (1) and (2), every 10 service hours.

Pull out latch handle on left door of draft frame to make fittings accessible.

**18****TRAVELING SHEAVE
BLOCK RUNNERS**

Lubricate runners and ways (1) and (2) when they become dry.

**JENSALES.COM****or Call 800-443-0625****BOWL LATCH ATTACHMENT**

Lubricate the guide every 10 service hours.

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