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MANUAL PREVIEW

Komatsu
Operator's Manual
D31A,P-16
Bulldozer

Operator's Manual

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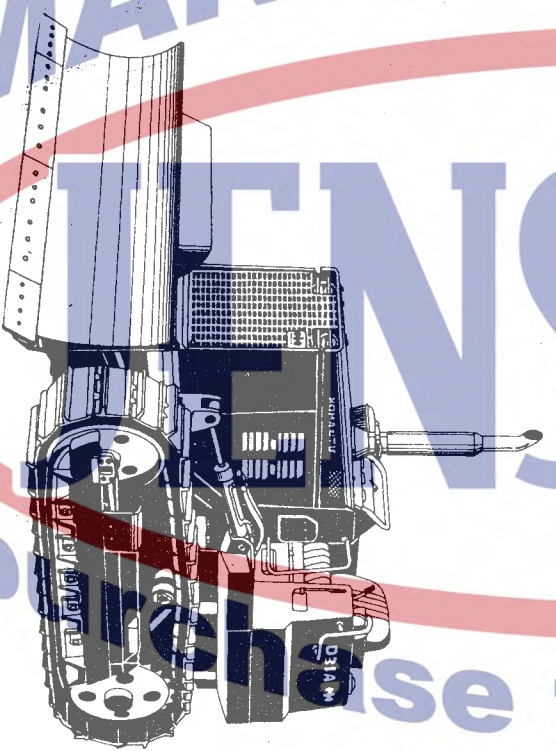
KOM-O-D31AP-16

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Operation & Maintenance Manual

KOMATSU

D31A, P-16 BULLDOZER



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D31A, P-16-AE1

SERIAL NUMBERS

D31A, P-25001 and up

KOM-O-D31AP-16

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GENERAL LOCATIONS

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GENERAL LOCATIONS

D31P



- 1. Hydraulic tank
- 2. Battery box
- 3. Track shoe
- 4. Sprocket
- 5. Frame

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OPERATING THE MACHINE

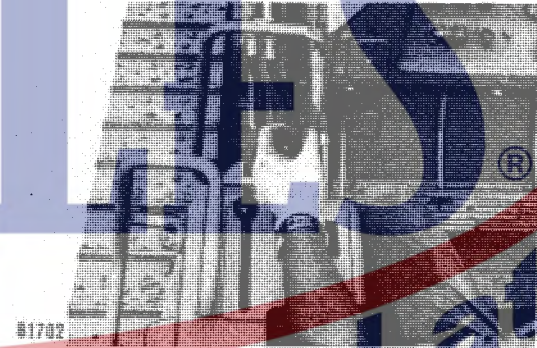
Transmission

Transmission is accomplished by shifting gear shift lever to a desired speed position. Since this can be done during travelling of machine, there is no need to stop machine for gearshifting.

Shifting from Forward to Reverse (and Vice Versa)

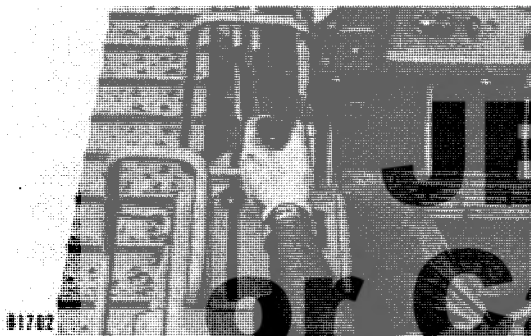
When transmission is shifted from forward to reverse and vice versa, shift after slowing down machine to ensure safety and absorb shock.

2. Shift gear shift lever to desired position.



1. Reduce engine revolutions with fuel control lever.

3. Increase engine revolutions with fuel control lever.



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EVERY 250 HOUR SERVICE OPERATION

EVERY 250 HOUR SERVICE OPERATION

★ Maintenance for every 50 hours should be carried out at same time.

a. CHECK AND CORRECT OIL LEVEL

• Final Drive Case

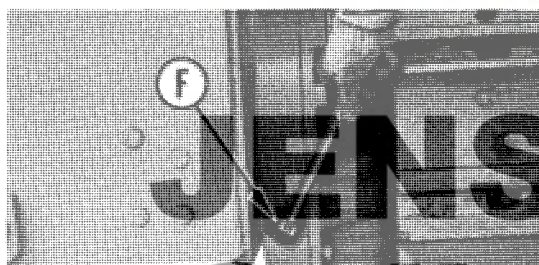
Remove plug (F) and check whether final drive case is filled with oil to lower edge of plug hole. If oil level is below this point, refill with engine oil through plug hole.

★ Use different types of engine oil depending on ambient temperature.

• Hydraulic Tank

Lower blade to ground in horizontal position, stop engine and wait for about 5 minutes before checking oil level. If oil level is not between top and bottom of red circle in sight gauge (G), refill tank with engine oil through oil filler (F). For access to oil filler (F), open R.H. arm rest (1) by removing its bolts.

★ Use Class CD, SAE 10W engine oil throughout the year.



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SPECIFICATIONS

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SPECIFICATIONS

D31P-16

Operating Weight:

6,750 kg

Blade (incl. brace and frame)

860 kg

Performance

1 Travel speed:

Forward

1st

0 ~ 2.2 km/h

2nd

0 ~ 3.9 "

3rd

0 ~ 6.5 "

Reverse

1st

0 ~ 2.4 "

2nd

0 ~ 4.3 "

3rd

0 ~ 7.1 "

Engine

1 Model

KOMATSU 4D 105-3C type diesel engine

2. Rated rpm

2,350 rpm

3 Horsepower

63 HP

4 Maximum torque

(at about 1,400 rpm)

25 kg-m

5 Start system:

2 Gradeability

30°

Starting motor

24V

5.2 kW

Battery

12V 120Ah x 2

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