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Section 1010

GENERAL ENGINE SPECIFICATIONS 1150C CRAWLER LOADER AND DOZER

DIESEL ENGINES

General

Type	6 Cylinder, 4 Stroke Cycle, Valve-in-Head
Firing Order	1-5-3-6-2-4
Bore	4-3/8 Inches
Stroke	5 Inches
Piston Displacement	16.5 to 1
No Load Governed Speed	2285 - 2315 RPM
Rated Engine Speed	2100 RPM
Engine Idling Speed	725 to 775 RPM
Exhaust Valve Rotators	Positive Type
Valve Tappet Clearance (Exhaust)	0.025 Inch
(Intake)	0.015 Inch

Piston and Connecting Rods

Rings per Piston	3
Number of Compression Rings	2
Number of Oil Rings	1
Type Pins	Full Floating Type
Type Bearing	Replaceable Precision Steel Back, Copper-Lead or Aluminum Alloy Liners.

Main Bearings

Number of Bearings	7
Type Bearings	Replaceable Precision Steel Back, Copper-Lead or Aluminum Alloy Liners.

Engine Lubricating System

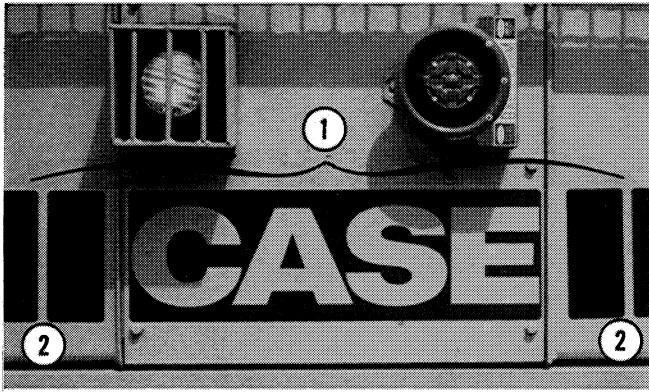
Crankcase Capacity	14 Quarts
With Filter Change	15 Quarts
Oil Pressure	45 to 55 PSI with Engine Warm and Operating at Rated Engine Speed
Type System	Pressure and Spray Circulation
Oil Pump	Gear Type
Oil Filter	Full Flow Spin on Type

Fuel System

Fuel Injection Pump	Robert Bosch, Type PES Multiple Plunger
Pump Timing	30 Degrees Before Top Center (Port Closing)
Fuel Injectors	Pencil Type (Opening Pressure 3200 PSI)
Fuel Transfer Pump	Plunger Type, Integral Part of Injection Pump
Governor	Variable Speed, Fly-Weight Centrifugal Type, Integral Part of Injection Pump
1st Stage Fuel Filter	Full Flow Spin on Type
2nd Stage Fuel Filter	Full Flow Spin on Type

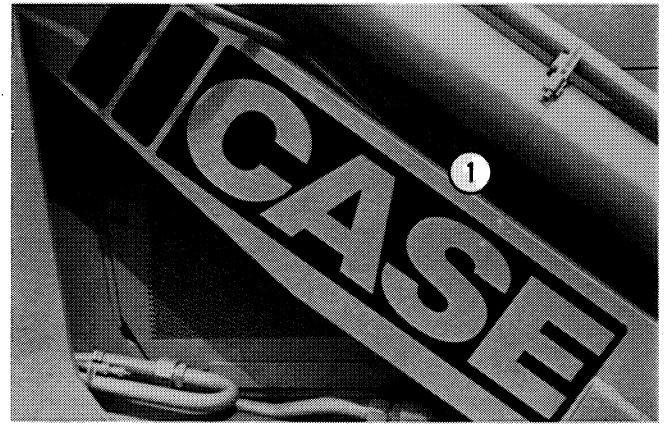
GENERAL INFORMATION

1. All decals about operation of the machine and/or attachments must be in a condition so that you can read the decals easily. Replace any decal that has damage or cannot be read.
2. All decals that start with the words WARNING, CAUTION, or DANGER must be in a condition so that you can read the decals easily. Replace any decal that has damage or cannot be read.
3. When you paint the machine or attachment, put covers over the good decals and remove the decals which have damage or cannot be read easily. Use enamel thinner to make the decal easier to remove.
4. Remove the old decal before you install a new decal. Use enamel thinner to make the old decal easier to remove.
5. When you paint the machine or attachment, use standard procedure. Remove the grease, wash the area, use sandpaper to prepare the surface for paint, and put covers over all good decals and parts which you do not want to paint.
6. The following pages show decals installed on the machine or attachments. Part numbers of the decals are shown also. Check the parts catalog to make sure that the part number is correct before you make an order for the decals. Decals are available separately or in a kit for the machine.



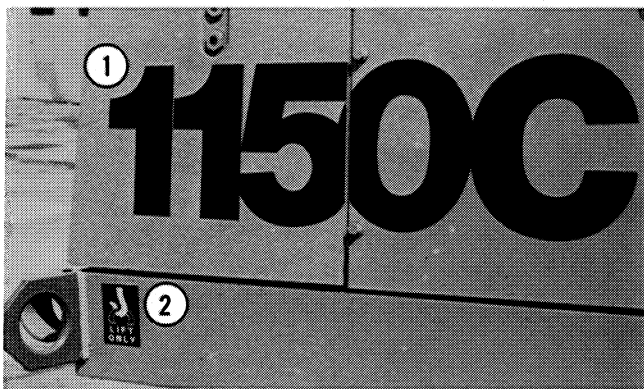
- 1. 321-5273 - Case and Treadmarks
- 2. 321-3122 - Treadmarks

Figure 1



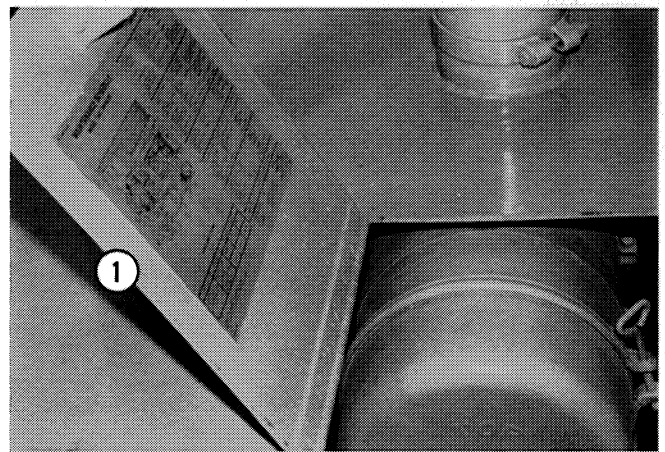
- 1. 321-5274

Figure 5



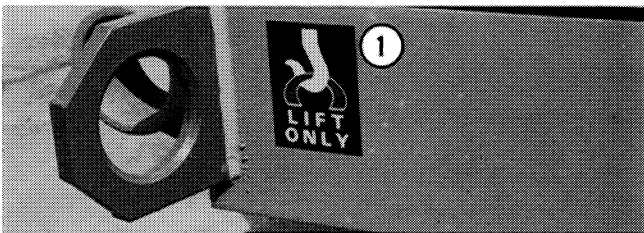
- 1. 321-4627
- 2. 321-3587

Figure 2



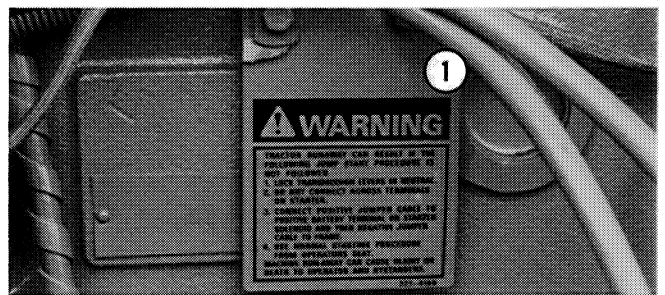
- 1. 321-4689 Location Shown is for Engines Without Turbocharger. Maintenance Decal for Engines With Turbocharger is on Door Right Side of Hood

Figure 6



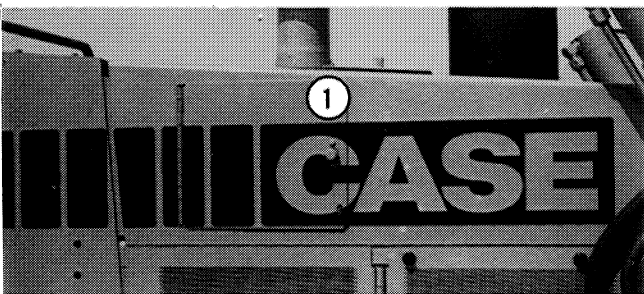
- 1. 321-3587

Figure 3



- 1. 321-4189

Figure 7



- 1. 321-5276

Figure 4

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