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MANUAL PREVIEW

Allis Chalmers

Operator's Manual

D-17 Diesel

S/n 24001 & up

purchase full manual at

JENSALES.COM

or Call 800-443-0625



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Operator's Manual

AC-O-D17 DSL

Make: Allis Chalmers	Model: D-17	Years Made: 1958-1967
HP-PTO: 46.48	HP-Engine:	HP-Drawbar: 36.7
HP-Range: 46	Engine-Make: AC	Engine-Fuel: GAS
Engine-Cyl(s)-CID: 4/226	Transmission-STD: CM	Optional:
Fwd/Rev Standard: 8/2	Fwd/Rev Optional:	Mfwd-Std/Opt:
Tires-Std Front: 6.00-16	Tires-Std Rear: 14-28	Wheelbase-Inch: 93
Pto Type: LIVE	Pto Speed: 540	CAT I-3pt Hitch: False
CAT II-3pt Hitch: False	CAT III-3pt Hitch: False	Hitch Lift:
Hydraulics-Type: OPEN	Hyd-Cap: 9.75	Hyd-Flow:
Hyd Std Outlets: 1	Cooling Capacity: 14	Fuel Tank Capacity: 20.75
Cab-Std A/C; Rops:	Weight: 4659	New Price: 5393

FRONT OF TORQUE HOUSING ON LEFT SIDE		
Year	Beginning Serial Number	
1957		1001
1958		4300
1959		16500
1960		28200
1961		33100
1962		38070
1963		65001
1964		70611
1965		77090
1966		80533
1967		86061

Paint Codes		
Location		MFG Color Name
ENTIRE TRACTOR LESS RIMS (1958-1959)		ACPERSIANORANGE1
ENTIRE TRACTOR LESS RIMS AND WHEELS (1960-1967)		ACPERSIANORANGE2
RIMS		ACALUMINUM
FRONT AND REAR WHEELS (1960-1967)		ACCREAM

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OPERATING INSTRUCTIONS

AND

PARTS ILLUSTRATIONS

MODEL D17

DIESEL TRACTOR



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ALLIS-CHALMERS MFG. CO.

MILWAUKEE, WISCONSIN, U. S. A.

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SERIAL NO. 24001 AND UP

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GENERAL SPECIFICATIONS

ENGINE

Number of Cylinders	6
Bore	3-9/16"
Stroke	4-3/8"
R. P. M. (Low Idle)	600
R. P. M. (Governed Speed)	1650
R. P. M. (High Idle)	1975-2000
Firing Order	1-5-3-6-2-4
Piston Displacement	262 cu. in.

VALVES

Location	In head
Valve Clearance (Intake)	.010" hot
Valve Clearance (Exhaust)	.019" hot

TRANSMISSION

Type	Constant mesh - helical gears
Oil Capacity	28 qts.

HIGH RANGE

First Gear	2-3/5 M. P. H.
Second Gear	4 M. P. H.
Third Gear	5-1/2 M. P. H.
Fourth Gear	12 M. P. H.
Reverse	3-1/2 M. P. H.

LOW RANGE

First Gear	1-4/5 M. P. H.
Second Gear	3 M. P. H.
Third Gear	3-4/5 M. P. H.
Fourth Gear	8-1/2 M. P. H.
Reverse	2-2/5 M. P. H.

The above speeds are based on standard rear tires of 13" x 28" and governed engine speed of 1650 R. P. M.

ENGINE CLUTCH (Foot Operated)

Type	Single Disc - Dry
Disc Diameter	11"

POWER DIRECTOR CLUTCH (Hand Operated)

Type	Dual Range - Wet
Oil Capacity	8 qt.
Plate Diameter	7"
4 Plates Low Range - 3 plates high range	

BELT PULLEY (Optional)

Pulley Diameter	9"
Pulley Face	6-9/16"
R. P. M. (1650 Engine Speed)	1384
Ft. Per Min. (1650 Engine Speed)	3260

POWER TAKE-OFF

Shaft Size	1-3/8" Spline
R. P. M. (1650 Engine Speed)	549
R. P. M. (High Idle)	635 - 675
R. P. M. (Low Idle)	200 - 217

BRAKES

Type	Enclosed Contracting Foot
Drum Diameter	7-7/8"

RADIATOR AND COOLING SYSTEM

Coolant Capacity	16 quarts
Fan Diameter	17"
Fan Speed	1.6 to 1 of Engine

OIL SUMP

Capacity	6 qt.
With Filter Change	7 qt.

HYDRAULIC PUMP

Type	4 Plunger
Oil Capacity	9-3/4 qts.

FINAL DRIVES

Oil Capacity - Each	1-1/4 qts.
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FUEL TANK

Fuel Capacity	19 gal.
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WHEEL TREAD

Tread Adjustment	Power Shifted
Tread Spacing	2-1/2" Increment
	Per Wheel
Rear Tread Adj.	58" to 78"
Wheels Reversed	72" to 92"
Roll Shift Front Axle	60" to 80"

TIRE SIZE

Front	6.00" - 16"
Rear	13" - 28"

TIRE PRESSURE

Front	28 lbs.
Rear	14 lbs.

REAR WHEELS AND TIRES

TIRE SIZE - 13" x 28" - air pressure 14 lbs.

Tractor tires are inflated to 30 lbs. pressure for shipping purposes, and must be deflated to 14 lbs. before tractor is used or stored.

HYDRAMATIC TRACTOR TIRES

As water alone will freeze in cold weather, "Allis-Chalmers" tractor tires are filled with the proper quantity of 22% calcium chloride solution. Calcium chloride will in no way harm the casing, tubes or valves. A mixture of 22% calcium chloride and 78% of water has a specific gravity of 1.220 and may be tested by the use of an ordinary battery hydrometer.

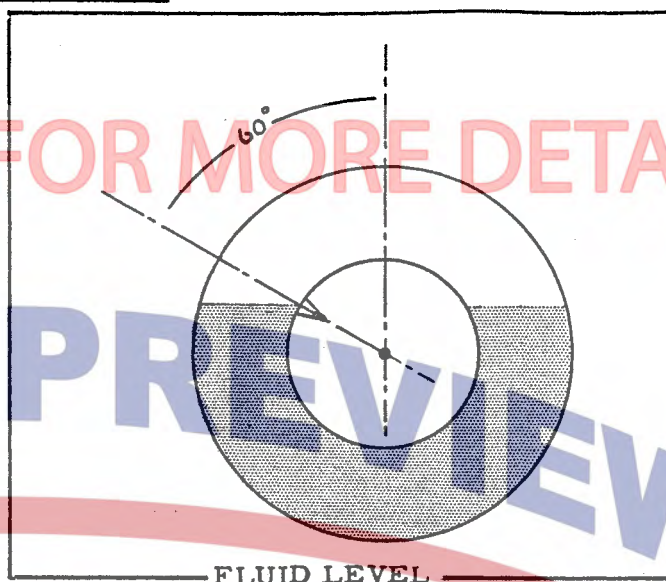
This mixture will form a slush at minus 13°F. If tractor is going to be operated at temperatures below 20°F., additional calcium chloride should be added.

The rear tires are filled about 3/4 full of the solution and then inflated to the standard recommended air pressure. To check the solution level turn the wheel until the valve stem is about 60° from vertical as shown in sketch.

This amount of solution will give approximately the same weight as four cast iron wheel weights on each wheel. If more weight is needed for difficult traction conditions, wheel weights may be added.

Tire companies have instructed their service stations concerning liquid ballast for tractor tires, and they have the necessary facilities for mixing and injecting this fluid into the tires.

If the valve core is to be removed for any cause, it will be necessary to jack up tractor, and turn the wheel until the valve stem is on top, otherwise the solution will be lost.



Calcium chloride and water solution as supplied in tractor tires is not dangerous, but because it may attack clothing or cause skin irritations on some persons (especially if it comes in contact with open cuts or sores), we urge everyone to avoid coming in direct contact with it. A remedy after having contacted this solution is to simply wash the skin with plenty of clean water.

When plowing, the furrow wheel has more traction than the land wheel. Do not decrease air pressure in land wheel to equalize traction, instead increase the pressure in the furrow wheel to 16 lbs.

When mounted implements are used, additional air pressure should be used. Use about 1 lb. additional air pressure for each 800 pounds of weight added.

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HOW TO ORDER PARTS

When ordering parts for your tractor, supply the following information:

1. The tractor and engine serial numbers.

The serial number of your tractor is located at left front end of torque housing. Give the complete number and prefix letter.

Example: D17-1001-D

The engine serial number is located at top left-hand side of the engine block above fuel filter. Give complete number and all letters.

Example: 100274

2. State the common name of the part you wish to order, or a description of the part and its location on the tractor, or bring in old part.

3. Always print your name and post office address, where parts are to be shipped; also specify whether material is to be shipped by freight, express or parcel post.

Order all parts for this machine from your local "Allis-Chalmers" Dealer.



TRACTOR & ENGINE SERIAL NO.

IMPORTANT

Unless claims for shortages or errors are made immediately upon receipt of goods, they will not be considered.

When broken goods are received, a full description of the damage should be made by the carrier agent on the freight bill. If this description is insisted upon full damage can always be collected from the transportation company.

No responsibility is assumed for delay or damage to merchandise while in transit. Our

responsibility ceases upon delivery of shipment to the transportation company, from whom a receipt is received showing that shipment was in good condition when delivered to them; therefore claims (if any) should be filed with the transportation company and not with Allis-Chalmers Manufacturing Company.

The right is reserved to change the construction or material of any parts where it seems desirable to do so, without incurring the obligation of installing such changes on units already delivered.