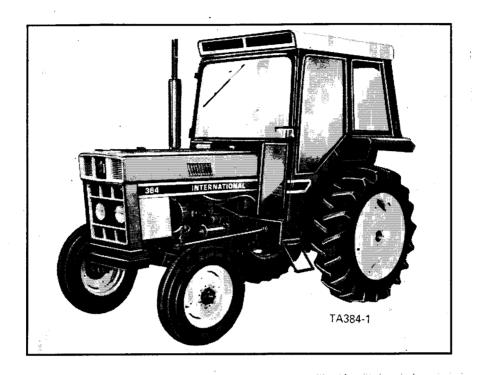
# 384 and 238 Industrials Tractors

Operator's Manualr



## **OPERATORS MANUAL**



# 384 AND 238 INDUSTRIAL TRACTORS

1093 142 R4

#### TO THE OWNER

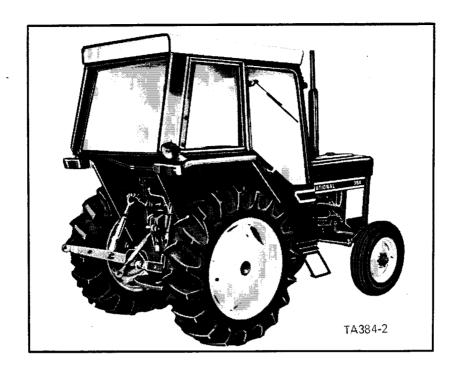
The purpose of this manual is to assist you in realizing the benefits you anticipated when you purchased this International Harvester product.

The way you operate and the care you give this equipment will have much to do with its successful performance. This manual has been carefully prepared and the information arranged and illustrated to make it as easy as possible for you to find the information you wish. It will pay you to read the entire manual carefully before operating and keep it handy for future reference. Your International Dealer or Distributor will be glad to answer any further questions you may have on the operation or care of this product.

It is the policy of International Harvester Company to improve its products whenever it is possible and practical to do so. We reserve the right to make changes or add improvements at any time without incurring any obligation to make such changes on products sold previously.

#### **WARRANTY PERIOD**

The Notes contained in this Operator's Manual for proprietary items, such as electrical and fuel injection equipment, have been compiled for use after the warranty period has expired. If attention, however small, is required to any of these items, whilst they are still within the warranty period, your International Dealer or Distributor should be informed.



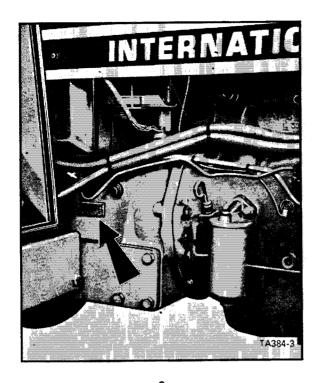
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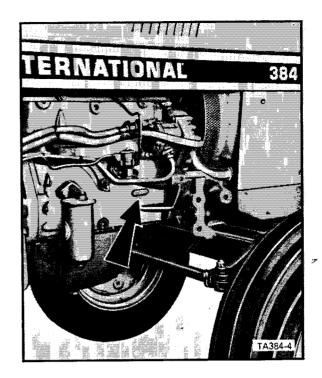
#### TRACTOR DELIVERY SERVICE

DEALER'S COPY

When delivering the tractor, point out the following instructions in the Operator's Manual and explain any other points not fully understood. 1. Care of tractor during the first 50 working hours 2. Precautions to be taken against accidents 3. The use of correct oil, fuel and their storage 4. The lubricating of the whole machine according to the LUBRICATION CHART 5. Checking of all oil levels 6. Oil change periods 7. Servicing of aircleaner when engine lacks power or at maximum of 500 hours ... 8. Servicing of oil filter and crankcase breather filter, change at every oil change 9. Starting, driving and stopping methods and explanation of gear levers and instruments 10. Object of thermostat 11. Object of oil pressure and ammeter warning lights, temperature gauge and fuel gauge. 12. Care of cooling system, draining and cleaning 13. Tension of the fan belt and alternator belt 14. Checking and care of the fuel injection system

		T	RACTO	R DEL	IVERY	SERVI	CE (Co	ontinue	d)		D	EALER	i's COPY
15.	The checking o of hydraulic suce equipment is in	ction fi	ydraulic Iter, cle	systen an at 1	n, exte 000 hou	rnal va r inte	lves an	nd contr nd more	ol leve freque	r opera	tion. S hen au	Servicin xiliary	ig
16.	Adjustment of e		clutch	•••	•••	•••	•••	•••	•••	•••	•••	•••	
17.	Operation of di	fferenti	ial lock		•••	•••	•••	•••	•••	•••	•••	•••	
18.	Check electrica	al insta	llations	, for ex	kample	: batte	ry, sta	<b>rter,</b> al	ternato	r, light	s and g	lowplu	g
	circuit	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	···
19.	Implement attac	chment	procedu	re and	safety	points		•••	•••	•••	•••	•••	
20.	Setting of track	width	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	
21.	Brakes, foot and	d parki	ng	•••	•••	•••	•••	•••	•••	•••	•••	•••	
22.	Tyres - air pres	sure, w	eights	and ger	neral m	aintena	ince, w	ater ba	llast	•••	•••	•••	
23.	Care of engine	during	cold we	ather	•••	•••	•••	•••	•••	•••	•••	•••	
24.	Laying up of tra	ictor	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	
25.	Engine starting	proced	ure afte	r stora	ge .	•••	•••	•••	•••	•••	•••	•••	
26.	Tightening up o	f nuts a	and bolt	s	•••	•••	•••	<i>3</i> •••	•••	•••	•••	•••	
27.	Tractor cleanlin	ess	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	





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#### TRACTOR DELIVERY SERVICE

PURCHASER'S COPY

When delivering the tractor, point out the following instructions in the Operator's Manual and explain an

ny o	ther points not fully understood.							ſ	<del></del> _
1.	Care of tractor during the first 50 working hours		•••	•••	•••	•••	•••		
2.	Precautions to be taken against accidents	•••	•••	•••	•••	•••	•••		
3.	The use of correct oil, fuel and their storage	•••	•••	•••	•••	•••	•••		
4.	The lubricating of the whole machine according	to the	LUBRIC	ATION	I CHART	· •••	•••		
5.	Checking of all oil levels	•••	•••	•••	•••	•••	•••		
6.	Oil change periods	٠	•••	•••	•••	•••	•••		
7.	Servicing of aircleaner when engine lacks power	or at	maximur	n of 50	00 hours	•••	•••		
8.	Servicing of oil filter and crankcase breather filt	er, ch	ange at	every	oil chan	ige	•••		
9.	Starting, driving and stopping methods and explai	nation	of gear	levers	and ins	strumer	nts		
10.	Object of thermostat	•••	•••	•••	•••	•••	•••		
11.	Object of oil pressure and ammeter warning lights,	tempe	rature gau	ige and	lfuelga	ige.	•••		
12.	Care of cooling system, draining and cleaning	•••	•••	•••	•••	•••	•••		
13.	Tension of the fan belt and alternator belt	•••	•••	•••	•••	•••	•••		
14.	Checking and care of the fuel injection system	•••	•••	•••	•••	•••	•••	[	

### TRACTOR DELIVERY SERVICE (Continued) PURCHASER'S COPY 15. The checking of the hydraulic system, external valves and control lever operation. Servicing of hydraulic suction filter, clean at 1000 hour intervals and more frequently when auxiliary equipment is in use 16. Adjustment of engine clutch ... 17. Operation of differential lock 18. Check electrical installations, for example: battery, starter, alternator, lights and glowplug circuit 19. Implement attachment procedure and safety points ••• 20. Setting of track width ... 21. Brakes, foot and parking 22. Tyres - air pressure, weights and general maintenance, water ballast 23. Care of engine during cold weather 24. Laying up of tractor 25. Engine starting procedure after storage 26. Tightening up of nuts and bolts 27. Tractor cleanliness



R3

#### TRACTOR FIRST AFTER DELIVERY SERVICE

**DEALER'S COPY** 

The first service should be carried out after 20 hours total running (or at latest within two weeks) when the following operations and checks are carried out. In the United Kingdom this service will be carried out free of charge by the dealer with the exception of materials used.

<b>ENGI</b>	NE											
1,	Change engine oil 7.9	litres (	13 UK	pints)	capacit	ty. Co	rrect oil	l specif	fication	s are	given ir	n
	the Lubrication Guide	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
	Change engine oil filt			•••	•••	•••	•••	•••	•••	•••	• • • •	•••
3.	Retighten cylinder hea	ad bolts	10.36	to 11.	.06 kgm	(75 to	80 lbft)	torque	in cor	rect		
	tightening sequence	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
4.	Check securing nuts	on manife	old for	tightn	ess	•••	•••	•••	•••	•••	•••	•••
5.	Check valve clearanc	e 0.508	mm (0	).020 ii	n) HOT	•••	• • •	•••	•••	•••	•••	•••
6.	Check coolant level i	n radiato	or and	check	for leal	kş بن ب	•••	· ·*••	•••	•••	•••	•••
7.	Drain fuel water trap	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
8.	Check fan and alterna	ator belts	s for te	ension	:							
	Fan belt	9.25 to	12.7	mm (3/	/8 to 1/	2 in)	•••	•••	•••	•••	•••	
	Alternator belt		6.35	mm (1/	(4 in)		•••	•••	•••	•••	•••	• • •
9.	Check engine for oil	leaks	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••
10.	Service injectors	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
HYDR	AULICS											
1.	Remove suction and o	rifice fil	ter an	d clear	n	•••	•••	•••	•••	•••	•••	•••
2.	Check oil level 11.4	litres (20	0 UK p	ints) c	apacity	, with	lift arm	s lower	ed	•••	•••	•••
3.	Check system for corr	rect oper	ation,	aiso a	ill exter	rnal va	lves	•••	•••	•••	•••	• • •
4.	Check for leaks arour	nd the sy	stem,	reserv	oir and	auxilia	ary valv	es	•••	•••	•••	• • •

TRACTOR FIRST AFTER DELIVERY		DEALER'S COPY				
TRANSMISSION  1. Check oil level 24 litres (42 UK pints) capacity 2. Check engine and P.T.O. clutches, foot and park 3. Check tyre pressures. Refer to Tyre Chart for cod 4. Check all bolts and nuts, particularly wheel sec 5. Check for oil leaks around transmission housing 6. Check differential lock for correct operation	cing brakes, ac rrect tyre pres curing nuts	sure	 necessa  	 iry  		
1. Check starting circuit 2. Check lights and charging circuit 3. Check level of battery electrolyte and ensure file. 4. Ensure all connections are secure and correctly	ller plug holes	  are clea	  ar			
GENERAL  1. Check all bolts and nuts for correct tightness 2. Grease in accordance with Lubrication Chart 3. Check for front tyre wear and if necessary reset 4. Test drive tractor 5. Ensure the Operator/Owner fully understands the Appointment for second after delivery service was made	 machine and	  its allied		•		
The signature below of the Purchaser (or his Ager has been carried out to his satisfaction, and that he hamaintenance of his machine.		•				•
Tractor Serial Number	Date			•••••	•••••	••••••

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