GROWMARK, INC. INSPECTION START DATE							4/27/1	5			
P	RESSURE	VESSEL T	TEST AND IN	ISPECTI	ON RE	PORT - N	/IC330/	331 TRAN	SPORT		
OWNER'S SERIAL NO. (UNIT No.#) Cargo Ta		Cargo Tani	nk Mfg.		THE RESERVE OF THE PARTY OF THE	argo Tank Mfg. Serial#			11.43	ON PER	FORMED
OWNER			SUPERIOR Cargo Tank M		MC#		NB2371	(A-1)	Exter	rnal Visua	al (V)
HEARTL/	AND COOP		1964	1	331	265	Capacit	ty (Gal.) 10.500		age (K) nal Visua	L/IN
ADDRESS & PHONE NO)		N Lined	YQT		Upper co	upler ins	pection	Press	nai visua sure (P)	1 (1)
CARSIAL,IA. 50047 [515]	266-4215		NInsulated	NNQT		Insp	ected in loved & r	place		WFMP EX	kam.
Delivery hose/piping sys	stem Inspecti	ion P	assive/Off-Truc	k Remote			laced	reinstall	Thick	ness Tes	st (T)
Hose Test Date: Delivery Hose ID Nos.#			MSA D	Base X	Other				Weld	ed Repair	r
	C.L.		SMAL	RTHOSE		Minimum Head	Thickne	ss (Inches)	ASME/N	ational B	loard#
Daniel Landston	nantatasanigna gig	==				Shell top	-	N/A N/A			
Delivery hose/piping sys		ion				Shell side		N/A	DCE CT	#	
						Shell botto	om	N/A	Manu		
IPP A			TEMS TESTED (Manw X	/ay Yes	Пио
ITEM Tank Shell	Remote clos	EM	SELF C	LOSING P	RESSUR	E RELIEF C			Number of		□ ₂
Tank Heads	Suspension :		Removed	[X]In:	spected	Tested		Replaced	4	Test Type	
Head-to-Shell Seam	Attachmer	State of the state	PRD Position	1	2	3	4	-		122	
Valves	Connecting s	structures	Set	.t.	2	3	4	5	PSI	.eakage	Pressure
Piping Gaskets	Corroded or	abraded	Pressure	265	265				1		
Manhole Covers	Areas Distortions		Pressure when					-	Hold		
Manhole Gaskets	Dents		Open Reseat						Time		
Devices for tightening	Welds		Pressure						ID Fluid		
Manhole	Specification		Disposition:						DEFECTS	OR DAM	AGE:
Self-closing stop Valves	Nuts and bolt Placards	ts	Reinstall					П	Jul 25.5	JIN WAIL	AGE.
Excess flow valves	Upper Couple	A r	Replace Repair	Н	\vdash				XYes	□ NO)
DEFECTS DISCOVERED		51	Repair						0.00000		
CRACKS IN FLUSH PATOREAR HEAD RIGHT SIDE TOP OF REATOP OF SHELL IN CENTE	AR SHELL										
FAILED REPORT UNIT N	OT REPAIRE	:D									
This Unit has hauled: X Any other material that may cause stress corrosion cracking. X Dedicated Services: Identify - NH3 Cargo Tank Meets D.O.T. specifications identified in this report X Fails to meet D.O.T. Specifications identified in this report											
Inspection performed at (ac		Jations Iden	tified in this rep	ort >				ecifications i	identified in	this rep	ort.
GROWMARK INC	idiess)				Inspe	ctor's Name	е				
2500 SE 43RD ST						TT SMITH					
DES MOINES IOWA 50317					Inspe	ctor's Signa	ature	5		710	
Inspection Completion Date	e CT Numb	ber#			rece	ived a copy	of this re	aport,	4 Date		
5/11/15			CT 8190		/ (n	ma) X	her		5-137	15
GROWMARK, Inc. 1/12/20	09 VKIP Ves	sel Inspection	n Form.cse			ww	-01	Owi	ner or repres	sentative	

INSPECTION & REPAIR REPORT FORM FOR MC-330, 331 CARGO TANKS INSPECTED BY THE WET FLUORESCENT MAGNETIC PARTICLE METHOD

SECTION ONE: CARRIER / OWNER IDENTIFICATION

NAME OF CARRIER / OWNER:	HEARTLAND COOP				
PRINCIPAL ADDRESS:	PO BOX A CARSILE, IA. 50047				
TELEPHONE NUMBER #:	[515] 266-4215				
	SECTION TWO: DOT NAMEPI	LATE and ASME INFORMATION			
TANK MFR. NAME: SUPERIORC - DOT SPEC NO#: MC - 331 WATER CAPACITY: ORIG. TEST DATE: 1964	OR MFR'S SERIAL No#: SHELL MATERIAL: LBS. AND/OR 10,500	NB2371 1204-11	NAT'L BOARD #: NB2371 HEAD MATERIAL: 1204-11 GALS. YEAR BUILT: 1964		
DESIGN MAXIMUM WORKING PRES	RETEST DATE SSURE: 265 PSIG	N/A	RETESTED AT	N/A	PSIG
CARRIER / OWNER EQUIP. UNIT #:	850RE: 265 PSIG 8513	STRESS RELIEVED AFTER	FABRICATION:	XXYES	NO
X-RAYED XX YES	NO SHELL THICKNESS: SECTION THREE: INSPECTIO	.398 HEAD THICK	.250	HEAD RADIUS: 1	HEMIS
WORK ORDER # 475333					
NAME GROWMARK INC	ON / REPAIR SHOP (OR PERSON PERF	ORMING INSPECTION/ REPAIR) :		
ADDRESS: 2500 SE 43RD ST	And the second s	DES MOINES	IOWA		
STREET OR PO	BOX	CITY	STATE	50317 ZIP COD	NE
PROD SPACING: 4-6" FLUORESCENT PARTICLE SETTLING	WET: XX DRY: AMPERAGE USED: AC: XX G VOLUME IS 0.2 mL in a 100 mL SAMPL SECTION FIVE "NOT REPAIRED". SHOW LOCATION	E: FINDINGS	TTY IS: 146	AM BATCH 14MC	D17
DATE OF REPAIR: IF WELDED: DATE OF HYDROSTATI TANK STRESS RELIEVED AFTER RE SIGNATURE, INSPECTION REPAIR S	PAIRS:YESNO HOP: SCOTT SMITH	NAME / TITLE (TYPE OR F	YED: LOCAL:	ES N YES GISTERD INSPECT	IO NO TOR
ø.	SECTION SIX: CAR	GO TANK LADING			
TANK HAS HAULED: LP GAS:	ANHYDROUS AMMONIA XX	X OTHER			
IF ANHYDROUS AMMONIA, WAS IT C	ERTIFIED BY SHIPPER AS CONTAINING	3 0.2% WATER? XX YES	NO	,	
	SECTION SEVEN: CARGO TANK				
SCRAPPED:	OUT OF SERVICE: XXXX	XXXX RETU	RNED TO SERVIC	⊑ ∙	
AUTHORIZED SIGNATURE CARRIER	OWNER: Mike 5, ber		99ER	5-13-1	15

Hearthand Coop 8513

INSPECTION & REPAIR REPORT FORM FOR MC-330, 331 CARGO TANKS INSPECTED BY THE SET FLUORESCENT MAGNETIC PARTICLE METHOD

Page 2 Location of Defects - Sketch and Instructions

FRONT HEAD		REAR HEAD	Cracks in
	LEFT SIDE		
F	RIGHT SIDE Crack	s in Flush	Patchs
nstructions.			