element

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TEST CERTIFICATE – EAR CONTROLLED DATA

Lifesaving Systems Corp.
220 Elsberry Road
Apollo Beach, FL
33572
33572

REF No O134451 : Issue 1
Page 1 of 4
Ord No 4147
Date Reported 12/04/20

Item - 1) Hook, Super Talon / DWG: 511-01 Rev B / Matl: 17-4PH SS
2) Gate, Super Talon / DWG: 511-02 Rev B / Matl: 17-4PH SS

RADIOGRAPHIC INSPECTION REPORT

Radiographic Shooting Technique

VIEWS (Including Markers)	1-30 (Hooks)		1-15 (Gates)	
Source of Radiation	X-Ray Tube		X-Ray Tube	
Source/Focal Spot Size	.217"		.217"	
Source Side of Object to Film Distance	.48"		.48"	
Source to Object Distance	51.52"		51.52"	
Geometric Unsharpness	.002"		.002"	
Material Thickness	≤.48"		≤.48"	
Curies or KV	175 Kv		175 Kv	
MA / Time of Exposure	15 Ma / 40s		15 Ma / 40s	
Penetrameter (s)	N/A	on part	N/A	on part
	.18, .25, .37	on block	.18, .25, .37	on block
Thickness of Block	.18", .25", .37"		.18", .25", .37"	
IQI Group	Group 1		Group 1	
Film Load Technique	Multiple		Multiple	
Film Size	7" x 17"		7" x 17"	
Film Brand / Film Speed	Agfa	D3, D4, D5	Agfa	D3, D4, D5
Screens Type PB	0.005" Front		0.005" Front	
	0.010" Back		0.010" Back	
Special Filters	N/A		N/A	
Radiographic Quality Level	2-2T		2-2T	
Inspection Date	12/2/2020		12/2/2020	

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ACCREDITED
CERTIFICATE #1480.06

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RADIOGRAPHIC INSPECTION REPORT RESULTS

Procedure:	MIL-STD-453	**Revision:**	1984
Code and Acceptance Criteria	MIL-STD-2175 Class 2 Grade B	**Revision:**	1984

See Radiographic Shooting Sketch for source film arrangement (if required) and exposure Data

Total Film Size and Quantity

3.5" x 10" Quantity		3.5" x 17" Quantity		4.5" x 10" Quantity		4.5" x 17" Quantity	
8" x 10" Quantity		7" x 17" Quantity	27	14" x 17" Quantity		Other Quantity	

RESULTS OF INSPECTION

View No.	Accept	Reject	No Apparent Defects	Gas Porosity Category	Level	Sand & Slag Inclusion category	Level	Shrinkage Type & Category	Level	Shrinkage Type & Category	Level	Crack Category	Hot Tears Category	Molting Category	Surface	Remarks
Hooks																Super Talon, PN: 511-01
1		X						SD	2	SF	0					
2		X		Gas	2			SD	2	SF	0					Gas acceptable
3		X		Gas	3			SD	2	SF	0					
4		X		Gas	3			SD	2	SF	0					
5		X						SD	2	SF	0					
6		X		Gas	3			SD	2	SF	0					
7		X		Gas	1			SD	2	SF	0					Gas acceptable
8		X		Gas	2			SD	2	SF	0					Gas acceptable
9		X		Gas	2			SD	2	SF	0					Gas acceptable / SC X - 0
10		X						SD	2	SF	0					SC X - 0
11		X						SD	2	SC	0					
12		X		Gas	3			SF	0	SC	0					
13		X						SD	2	SC	0					
14		X						SD	2	SF	0					
15		X						SD	2	SF	0					
16		X						SD	2	SF	0					
17		X						SD	2	SC	0					

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Radiographic Inspection (Continuation)

Results of Inspection

View No.	Accept	Reject	No Apparent Defects	Gas Porosity Category	Level	Sand & Slag Inclusion category	Level	Shrinkage Type & Category	Level	Shrinkage Type & Category	Level	Crack Category	Hot Tears Category	Molting Category	Surface	Remarks
18		X						SD	2							
19		X						SD	2							
20		X						SD	2							
21		X						SD	2	SC	0					
22		X		Gas	3			SD	2							
23		X		Gas	3			SD	2						/	Surf I.D.
24		X						SD	2	SC	0					
25		X						SD	2	SC	0					
26		X		Gas	3			SD	2							
27		X						SD	2	SC	0					
28		X						SD	2	SF	0					FMMD X - 3, SC X - 0
29		X						SD	2	SF	0					
30		X		Gas	3			SD	2							
Gates																Super Talon, PN: 511-02
1		X						SD	2	SC	0					
2		X						SD	2	SC	0					
3		X						SD	2							
4		X						SD	2							
5		X						SD	2	SC	0					
6		X						SD	2	SC	0					
7		X						SD	2							
8		X						SD	2							
9		X						SD	2							
10		X						SD	2							

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Radiographic Inspection (Continuation)

Results of Inspection

View No.	Accept	Reject	No Apparent Defects	Gas Porosity Category	Level	Sand & Slag Inclusion category	Level	Shrinkage Type & Category	Level	Shrinkage Type & Category	Level	Crack Category	Hot Tears Category	Molting Category	Surface	Remarks
11		X						SD	2							
12		X						SD	2							
13		X						SD	2							
14		X						SD	2							
15		X						SD	2							

Edward Nava, Level II
RT Cert. 09/2020

Ronnie Soape
Department Manager, NDE
For and on Authority of
Element Materials Technology

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