

Form: QR-19.7a Rev.: 2, Date: Jan 22nd, 2018

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD 6-16-47-13	3 VV5M	Date Ju	ıly 13, 2021	SAP	Equipment	ID 66	097894	Repor	t#	
			VES	SSEL STATI	C DATA					
Plant				Op Unit			Syste	em		
Prov. Insp. #	0525121	NB#		CRN	Γ 3040.23°	1	Equi	p Tag #		
Equipment D	escription	Line He	eater				Seria	l #	009977-	210
Manufacture	•	NUSCO)				Vess	el Class	3	
Internal Acce	ss YES	NO De	scription				Year	Built	2005	
MAWP atr	nospheric	kPa / P	-	200 F	°C	/°FX	MDM	Т	-50 F	°C / °F
CODE UM	U U2		RT 1 2		00 %		PWH		(50,50,50	
Diameter 48	3"	_ength (T/T) 378"	mm/inX C	AL	mm / in	Vertic	al	Horizor	ntal X
Shell Mat			Thicknes	SS		mm / in	Corr A	Allowan		3704.000.0
Head Mat	1		Thicknes	SS		mm / in	Corr A	Allowan		mm / in
Nozzle Mat	1		Thicknes	SS		mm / in	Corr A	Allowand	e	mm / in
Internal Coat	ing: YES N	10	Internal	Clad YES	NO	Х	Capa	city		m ³
Manway	YES N	O C	Inspection	on Port YE	S NO	NA	Skirt	Legs	Saddle	Х
Nozzle Rating	900/2500	Ib ANSI	Painted	YES	NO		Insula		YES	NO
		1 (0.000 0.00	I	PROCESS D	ATA			10-70-2-1011	atom and	
Product Desc						Sweet		Sour		
Operating Pro	essure		kPa /		Operatin		perature		(°C / °F
				TED BY PR		SD				
	Location	9	et Pi	RD STATIC	Manufac	turor	Model /	Turne	Look Com	ine Dete
Serial No.	Location	Pres	CHEO S	Capacity CFM / Lbs/Hr / PM	Manuac	luiei	wodei /	туре	Last Serv & Com	
	Toma (There ad/El		PRD DETA					0: /	
PRD Inlet	Type (Thread/Fla	ange)	_	ANSI R	ating			Size (mm)
PRD Outlet										
			INS	SPECTION S	IMMARY					
				or Lorion of	Juliun-U. I					
vessel appears to	be in good conditi	on.								
			R	ECOMMEND	ATIONS					
	N-40									
		NONC	ONFORMA	NCES / INSP	ECTION DE	FICIEN	CIES			
				SPECTION PL	ANNING					
Inspection Strate	gy		ailability				pection In			
Inspection Date		Da	te of Last Ins	spect		Dat	e of Next	Inspect		

Form: QR-19.7a Rev.: 2, Date: Jan 22nd, 2018

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD 6-16-47-13 W5M Date July 13, 2021 SAP Equipment ID 66097894 Report #

REPORT CERTIFICATION The signatures below certify that inspections/tests have been completed in accordance with the identified inspection strategy and that the specified equipment is considered fit for service until the date of next inspection. Inspected by Warren Gill Date July 13, 2021 PESL# Company API# Reviewed and Approved by Date PESL# API# Criticality Assessment Rerun Inspection Planning Rerun **Optional Rule Group Confirmed Assessed Next Inspection Date**

Form: QR-19.7a Rev.: 2, Date: Jan 22nd, 2018

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD 6-16-47-13 W5M Date July 13, 2021 SAP Equipment ID 66097894 Report #

ID		DETAILED INSPECTION VISUAL EXTERNAL						
	Description	Condition	Location	NCR	Co			
V1	General Other (Please Explain)	good			No			
V2	General Corrosion	good			Nor			
V3	General Leaks	good			Non			

V1 General Other (Please Explain) good No issues noted V2 General Corrosion good None noted V3 General Leaks good None noted V4 Vibration Good Site shut in V5 Dissimilar Flange Rating good None noted V6 Ladder/Stainway/Platforms Good V7 Heads Good V8 Guy Wires N/A V9 Electrical Ground good None noted V10 Painted Inactive Corrosion good None noted V11 Coating/Painting good None noted V11 Zapansion Joint or Bellows N/A V12 Expansion Joint or Bellows N/A V13 Gauge/Site Glass N/A V14 Shell good Sid on pilings V21 Support Other (Please explain) good V22 Foundation good sid on pilings V23 Anchor Bolts good Sid on pilings V24 Saddle/Skirt N/A V25 Davit good Sood V26 Fireproofing N/A V31 Connections Other (Please explain) secure V25 Small Branches N/A V30 Small Branches N/A V31 Small Branches N/A V32 Small Branches N/A V33 Nozzles good None noted V34 Shanges Good None noted V35 Lake Clamps N/A V36 Reinforcing Pads N/A V37 Boiting good None noted V38 Flanges good N/A V39 Leak Clamps N/A V40 Damage N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Pentrations N/A V44 Insulation Jacket N/A V45 Banding Sood None noted V50 Corrosion Good None noted V51 Leaks good None noted V52 Corrosion None noted None noted V53 Leaks Good None noted V54 Restricted Inlet/Outlet N/A None noted None noted V55 Leaks Good None noted V56 Restricted Inlet/Outlet N/A N57 Relief Devices Other (Please explain) N/A None noted None noted None noted V55 Leaks Good None noted V55 Leaks Good None noted V55 Leaks Good None noted V56 Restricted Inlet/Outlet N/A	ID	Description	Condition	Location	NCR	Comments
V3		General Other (Please Explain)	good			No issues noted
V4			good			None noted
V5		General Leaks	good			None noted
VF Ladder/Stairway/Platforms Good V7 Heads Good V8 Guy Wires N/A V9 Electrical Ground good V10 Painted Inactive Corrosion good V11 Coating/Painting good V12 Expansion Joint or Bellows N/A V13 Gauge/Site Glass N/A V14 Shell good V15 Jacket N/A V16 Jacket N/A V17 Vacet N/A V21 Support Other (Please explain) good V22 Foundation good V23 Anchor Bolts good V23 Anchor Bolts good V24 Saddle/Skirt N/A V25 Davit good V26 Fireproofing N/A V31 Connections Other (Please explain) V32 Small Branches N/A V33 Noal Naways N/A <t< td=""><td></td><td>Vibration</td><td>Good</td><td></td><td></td><td>Site shut in</td></t<>		Vibration	Good			Site shut in
V7	V5	Dissimilar Flange Rating	good			None noted
V8 Guy Wires N/A good grounded V9 Electrical Ground good grounded V10 Painted Inactive Corrosion good None noted V11 Coating/Painting good N/A V12 Expansion Joint or Bellows N/A V13 Gauge/Site Glass N/A V14 Shell good V21 Support Other (Please explain) good V21 Support Other (Please explain) good V22 Foundation good V23 Anchor Bolts good V24 Saddle/Skirt N/A V25 Davit good V26 Fireproofing N/A V31 Connections Other (Please explain) scure V32 Small Branches N/A V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads N/A V36 Inadequate Thread Engagement good		Ladder/Stairway/Platforms	Good			
V9 Electrical Ground good grounded V10 Painted Inactive Corrosion good None noted V11 Coating/Painting good 1 V12 Expansion Joint or Bellows N/A 1 V13 Gauge/Site Glass N/A 1 V14 Shell good 1 V15 Jacket N/A 1 V21 Support Other (Please explain) good skid on pilings V22 Foundation good secure V23 Anchor Bolts good secure V24 Saddle/Skirt N/A N/A V25 Davit good secure V26 Fireproofing N/A N/A V31 Connections Other (Please explain) N/A V32 Small Branches N/A N/A V33 Nozzles good N/A V34 Manways N/A N/A V35 Reinforcing Pads Non	V7	Heads	Good			
V10	V8	Guy Wires	The state of the s			
V11 Coating/Painting good V12 Expansion Joint or Bellows N/A V13 Gauge/Site Glass N/A V14 Shell good V21 Support Other (Please explain) good V22 Foundation good V22 Foundation good V23 Anchor Bolts good V24 Saddle/Skirt N/A V25 Davit good V26 Fireproofing N/A V30 Connections Other (Please explain) V31 Connections Other (Please explain) V32 Small Branches N/A V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads N/A V36 Inadequate Thread Engagement good V37 Bolting good V38 Flanges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A<	V9	Electrical Ground	good			grounded
V12 Expansion Joint or Bellows N/A V13 Gauge/Site Glass N/A V14 Shell good V15 Jacket N/A V21 Support Other (Please explain) good V22 Foundation good V23 Anchor Bolts good V24 Saddle/Skirt N/A V25 Davit good V26 Fireproofing N/A V31 Connections Other (Please explain) explain) V32 Small Branches N/A V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads N/A V36 Inadequate Thread Engagement good V37 Bolting good V38 Fianges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations	V10	Painted Inactive Corrosion	good			None noted
V13 Gauge/Site Glass N/A V14 Shell good V15 Jacket N/A V21 Support Other (Please explain) good V22 Foundation good V23 Anchor Bolts good V24 Saddle/Skirt N/A V25 Davit good V26 Fireproofing N/A V31 Connections Other (Please explain) explain) N/A V32 Small Branches N/A V33 Nozzles good V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads N/A V36 Inadequate Thread Engagement good V37 Bolting good V38 Fianges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Pen	V11	Coating/Painting				
V13 Gauge/Site Glass N/A V14 Shell good V15 Jacket N/A V21 Support Other (Please explain) good V22 Foundation good V23 Anchor Bolts good V24 Saddle/Skirt N/A V25 Davit good V26 Fireproofing N/A V31 Connections Other (Please explain) explain) N/A V32 Small Branches N/A V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads N/A V36 Inadequate Thread Engagement good V37 Bolting good V38 Flanges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 <td< td=""><td>V12</td><td>Expansion Joint or Bellows</td><td>N/A</td><td></td><td></td><td></td></td<>	V12	Expansion Joint or Bellows	N/A			
V15 Jacket N/A V21 Support Other (Please explain) good V22 Foundation good V23 Anchor Bolts good V24 Saddle/Skirt N/A V25 Davit good V26 Fireproofing N/A V31 Connections Other (Please explain) N/A V32 Small Branches N/A V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads N/A V36 Inadequate Thread Engagement good V37 Bolting good V38 Flanges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V43 Penetrations N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding N/A V51 Relief Devices Other (Please explain	V13		N/A			
V21 Support Other (Please explain) good V22 Foundation good V23 Anchor Bolts good V24 Saddle/Skirt N/A V25 Davit good V26 Fireproofing N/A V31 Connections Other (Please explain) explain) N/A V32 Small Branches N/A V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads N/A V36 Inadequate Thread Engagement good V37 Bolting good V38 Flanges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding V46 Seals/Joints V51 <	V14		good			
V21 Support Other (Please explain) good V22 Foundation good V23 Anchor Bolts good V24 Saddle/Skirt N/A V25 Davit good V26 Fireproofing N/A V31 Connections Other (Please explain) explain) N/A V32 Small Branches N/A V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads N/A V36 Inadequate Thread Engagement good V37 Bolting good V38 Flanges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding V46 Seals/Joints V51 <	V15	Jacket	N/A			
V22 Foundation good skid on pilings V23 Anchor Bolts good secure V24 Saddle/Skirt N/A N/A V25 Davit good Description V26 Fireproofing N/A N/A V31 Connections Other (Please explain) N/A Sexplain V32 Small Branches N/A Sexplain V33 Nozzles good Sexplain V34 Manways N/A N/A V35 Reinforcing Pads None noted V36 Inadequate Thread Engagement good None noted V37 Bolting good None noted V38 Flanges good Sexplain V41 Insulation Other (Please explain) N/A N/A V42 Damage N/A N/A V43 Penetrations N/A N/A V44 Insulation Jacket N/A N/A V44 Insulation Ja	V21	Support Other (Please explain)	good			
V23 Anchor Bolts good secure V24 Saddle/Skirt N/A N/A V25 Davit good Davit V26 Fireproofing N/A N/A V31 Connections Other (Please explain) N/A N/A V32 Small Branches N/A N/A V33 Nozzles good N/A V34 Manways N/A N/A V35 Reinforcing Pads N/A None noted V36 Inadequate Thread Engagement good None noted V37 Bolting good None noted V38 Flanges good N/A V39 Leak Clamps N/A N/A V41 Insulation Other (Please explain) N/A N/A V42 Damage N/A N/A V43 Penetrations N/A N/A V44 Insulation Jacket N/A N/A V45 Banding N/A </td <td></td> <td></td> <td>good</td> <td></td> <td></td> <td>skid on pilings</td>			good			skid on pilings
V24 Saddle/Skirt N/A V25 Davit good V26 Fireproofing N/A V31 Connections Other (Please explain) explain) V32 Small Branches N/A V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads N/A V36 Inadequate Thread Engagement good V37 Bolting good V38 Flanges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V44 Insulation Jacket N/A V45 Banding Seals/Joints V51 Relief Devices Other (Please explain) Rostricted Inlet/Outlet V52 Corrosion Good None noted V54 Restricted Inlet/Outlet N/A </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
V25 Davit good V26 Fireproofing N/A V31 Connections Other (Please explain) explain) V32 Small Branches N/A V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads N/A V36 Inadequate Thread Engagement good V37 Bolting good V38 Flanges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V44 Insulation Jacket N/A V45 Banding Banding V46 Seals/Joints N/A V51 Relief Devices Other (Please explain) Rood V52 Corrosion Good None noted V53 Leaks good N/A			N/A			
V26 Fireproofing N/A V31 Connections Other (Please explain) explain) V32 Small Branches N/A V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads None noted V36 Inadequate Thread Engagement good V37 Bolting good V38 Fianges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V44 Insulation Jacket N/A V45 Banding Seals/Joints V51 Relief Devices Other (Please explain) Romented V52 Corrosion Good None noted V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A			good			
V31 Connections Other (Please explain) N/A V32 Small Branches N/A V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads None noted V37 Bolting good V38 Flanges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V41 Insulation Other (Please explain) N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding N/A V46 Seals/Joints V51 Relief Devices Other (Please explain) Resplain) V52 Corrosion Good V53 Leaks good V54 Restricted Inlet/Outlet N/A						
V32 Small Branches N/A V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads None noted V36 Inadequate Thread Engagement good V37 Bolting good V38 Flanges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding Seals/Joints V51 Relief Devices Other (Please explain) Resplain) V52 Corrosion Good None noted V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A	V31	Connections Other (Please				
V33 Nozzles good V34 Manways N/A V35 Reinforcing Pads None noted V36 Inadequate Thread Engagement good V37 Bolting good V38 Flanges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding V46 V46 Seals/Joints Seals/Joints V51 Relief Devices Other (Please explain) None noted V52 Corrosion Good None noted V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A	V32		N/A			
V34 Manways N/A V35 Reinforcing Pads None noted V36 Inadequate Thread Engagement good V37 Bolting good V38 Flanges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding VA6 V46 Seals/Joints V51 Relief Devices Other (Please explain) V52 V51 Relief Devices Other (Please explain) None noted V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A			good			
V35 Reinforcing Pads 900d None noted V36 Inadequate Thread Engagement good None noted V37 Bolting good 900d V38 Flanges good 900d V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding 900d V46 Seals/Joints 900d V51 Relief Devices Other (Please explain) 900d V52 Corrosion Good 900d V53 Leaks 900d 900d V54 Restricted Inlet/Outlet N/A						
V36 Inadequate Thread Engagement good None noted V37 Bolting good 900d V38 Flanges good 900d V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding 900d V46 Seals/Joints 900d V51 Relief Devices Other (Please explain) 900d V52 Corrosion Good None noted V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A		Reinforcing Pads				
V37 Bolting good V38 Flanges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding Seals/Joints V51 Relief Devices Other (Please explain) V51 V52 Corrosion Good None noted V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A			good			None noted
V38 Flanges good V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding Seals/Joints V51 Relief Devices Other (Please explain) Fexplain V52 Corrosion Good None noted V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A						
V39 Leak Clamps N/A V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding Seals/Joints V51 Relief Devices Other (Please explain) V51 V52 Corrosion Good None noted V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A						
V41 Insulation Other (Please explain) N/A V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding Seals/Joints V51 Relief Devices Other (Please explain) Resplain V52 Corrosion Good None noted V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A			N/A	170		
V42 Damage N/A V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding Seals/Joints V51 Relief Devices Other (Please explain) None noted V52 Corrosion Good None noted V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A			N/A			
V43 Penetrations N/A V44 Insulation Jacket N/A V45 Banding Seals/Joints V51 Relief Devices Other (Please explain) Resplain V52 Corrosion Good None noted V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A			N/A			
V44 Insulation Jacket N/A V45 Banding			N/A			
V45 Banding						
V46 Seals/Joints				200		
V51 Relief Devices Other (Please explain) V52 Corrosion Good None noted V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A						
V52 Corrosion Good None noted V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A		Relief Devices Other (Please				
V53 Leaks good None noted V54 Restricted Inlet/Outlet N/A	V52		Good			None noted
V54 Restricted Inlet/Outlet N/A			good			
						VINETOR 3/2 1/12 27 (T)
V55 Manual Operation Lever N/A	V55	Manual Operation Lever	N/A			

Form: QR-19.7a Rev.: 2, Date: Jan 22nd, 2018

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD 6-16-47-13 W5M Date July 13, 2021 SAP Equipment ID 66097894 Report #

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)				
V2	Corrosion (depth, length, width)				
V3	Erosion				
V4	Distortion				
V5	Blisters				
V6	Deposits				
V7	Heads				
V8	Welds				
V9	Nozzles				
V10	Shell				
V11	Gasket Surfaces				
V21	Internals Other (Please explain)				
V22	Demister				
V23	Baffle/Weir				
V24	Sparger				
V25	Thermowells				
V26	Metallic Linings				
V27	Nonmetallic Linings				
V28	Trays				
V29	Tray Rings				
V30	Other Welded Attachments				

	Magnetic Particle	Equipment record	ls	
	Description			
Model	Serial #	Current Type	Mag Part Type	
Material + Grade	Thickness	Cal Block SN	Cal Due Date	
	Model	Model Description Serial #	Model Description Serial # Current Type	Model Serial # Current Type Mag Part Type

		Liquid Pener	trant Equipme	ent records	
Procedure #		Description			
Penetrant	Solvent	Developer	Cleaner	Lighting	Material Grade + Thickness

DETAILED INSPECTION OTHER TECHNIQUES

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

		Ultrasonic Eq	uipment records	
Procedure #		Description		
Test Unit	Instrument Mfr	Model #	Serial #	Cal Due Date
Probe	Frequency	Probe SN	Probe Diameter	Couplant
Cal Block	Cal Block Size	Cal Block SN	Cal Block Mtl	

Form: QR-19.7a Rev.: 2, Date: Jan 22nd, 2018

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD 6-16-47-13 W5M

Date July 13, 2021

SAP Equipment ID 66097894 Report #

DETAIL	ED IA	COEC	MONT	IIT T	LUCK	VECC
DETAIL	יוו עם	ISPEU	· IION	<i>U I I</i>	$n_{I} \cup n_{I}$	VE33

CML	Nom. Thk	Current Reading	Short Term Corr Rate	Long Term Corr Rate	Remaining Life	Comments
•						

Form: QR-19.7a Rev.: 2, Date: Jan 22nd, 2018

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD 6-16-47-13 W5M

Date July 13, 2021

SAP Equipment ID 66097894

PHOTOS





LSD SIGN

VESSEL DATA PLATE



VESSEL OVERVIEW



GROUND WIRE INTACT