

1. VESSEL DESCRIPTION				
1.1	Date updated: Dec 10, 2015			
1.2	Vessel's name (IMO number): MARINE CHEMIST (9179488)			
1.3	Vessel's previous name(s) and date(s) of change: N/A			
1.4	Date delivered / Builder (where built): 16.04.1998 / NOK BONG INC. CO.,LTD GYEJAE (KOREA)			
1.5	Flag / Port of Registry: MARSHALL ISLANDS / MAJURO			
1.6	Call sign / MMSI: V7IX4 / 538006007			
1.7	Vessel's contact details (satcom/fax/email etc.): Satcom : +870773170423 E-Mail : marinechemist@gts hips.com INM-C : 453840767 Mob :+905497458048			
1.8	Type of vessel (as described in Form A or Form B Q1.11 of the IOPPC): PRODUCT CARRIER (Chemical&Oil Tanker)			
1.9	Type of hull: Single Hull, Double Bottom			
Classification				
1.10	Classification society: KOREAN REGISTER OF SHIPPING			
1.11	Class notation: +KRS 1 OIL/CHEMICAL TANKER 'ESP' (FBC) PRODUCT/II & III 2G/ 1.59SG(CENTER & SLOP TK) 1.30S.G(SIDE TK) (IBC)+KRM 1			
1.12	Is the vessel subject to any conditions of class, class extensions, outstanding memorandums or class recommendations? If yes, give details: NO			
1.13	If classification society changed, name of previous and date of change: N/A			
1.14	IMO type, if applicable: IMO II&III			
1.15	Does the vessel have ice class? If yes, state what level: NO			
1.16	Date / place of last dry-dock: 2013.02.24 / BUSAN, KOREA			
1.17	Date next dry dock due / next annual survey due: 15 FEB 2016 15 FEB 2016			
1.18	Date of last special survey / next special survey due: 24 FEB 2013 15 APR 2018			
1.19	If ship has Condition Assessment Program (CAP), what is the latest overall rating: N/A			
1.20	Does the vessel have a statement of compliance issued under the provisions of the Condition Assessment Scheme (CAS): If yes, what is the expiry date? N/A			
Dimensions				
1.21	Length overall (LOA): 87.40 METERS			
1.22	Length between perpendiculars (LBP): 79.85 METERS			
1.23	Extreme breadth (Beam): 14.00 METERS			
1.24	Moulded depth: 7.00 METERS			
1.25	Keel to masthead (KTM)/ Keel to masthead (KTM) in collapsed condition, if applicable: 29.45 METERS N/A			
1.26	Bow to center manifold (BCM) / Stern to center manifold (SCM): 43.65 METERS 43.75 METERS			
1.27	Distance bridge front to center of manifold: 26.05 METERS			
1.28	Parallel body distances	Lightship	Normal Ballast	Summer Dwt
	Forward to mid-point manifold:	15.525 M	19.725 M	25.725 M
	Aft to mid-point manifold:	12.075 M	14.775 M	22.575 M
	Parallel body length:	27.60 M	34.50 M	48.3 M
1.29	FWA/TPC at summer draft:	124 mm	10.2Tonnes	
1.30	Constant (excluding fresh water):		80 MT	
1.31	What is the company guidelines for Under Keel Clearance (UKC) for this vessel?	OPEN SEA= 1 METER		
1.32	What is the max height of mast above waterline (air draft)	Full Mast	Collapsed Mast	
	Lightship:	26.4 Metres	-Metres	
	Normal ballast:	25.6 Metres	- Metres	
	At loaded summer deadweight:	23.4 Metres	- Metres	
Tonnages				
1.33	Net Tonnage:	1160		
1.34	Gross Tonnage / Reduced Gross Tonnage (if applicable):	2,346.0	N/A	
1.35	Suez Canal Tonnage - Gross (SCGT) / Net (SCNT):	N/A	N/A	
1.36	Panama Canal Net Tonnage (PCNT):	N/A		

Ownership and Operation		
1.37	Registered owner - Full style:	MARINE CHEMIST SHIPPING LTD. (IMO#5824920) TRUST COMPANY COMPLEX AJELTAKE ROAD MH 96960 AJELTAKE ISLAND, MARSHALL ISLAND
1.38	Technical operator - Full style:	DENSA TANKER ISLETMECILIGI LTD.STI. (IMO#5057958) KUCUKBAKKALCOY MAH.KAYISDAGI CAD. ELVAN SOK. NO:5 KAT:2 34750 ATASEHIR- ISTANBUL-TURKEY Tel: +90 216 327 4437 F: +90 216 428 5157 E: office@densatankers.com
1.39	Commercial operator - Full style:	ANKA CHART ESEANTEPE MAH. CEVIZLI D100 GUNAY YAN YOL LAPIS HAN NO:25 KAT:2 DA:2067 34870 SOGANLIK-KARTAL-ISTANBUL-TURKEY T: +90 216 912 1080 F: +90 216 325 1697 E: tanker@ankachart.com
1.40	Disponent owner - Full style:	NIL

2.	CERTIFICATION	Issued	Last Annual	Expires
2.1	Safety Equipment Certificate (SEC):	29.12.2014	12.03.2015	15.03.2018
2.2	Safety Radio Certificate (SRC):	29.12.2014	12.03.2015	15.03.2018
2.3	Safety Construction Certificate (SCC):	29.12.2014	12.03.2015	15.03.2018
2.4	International Loadline Certificate (ILC):	29.12.2014	12.03.2015	15.03.2018
2.5	International Oil Pollution Prevention Certificate (IOPPC):	29.12.2014	12.03.2015	15.03.2018
2.6	ISM Safety Management Certificate (SMC):	10.08.2015	Not Applicable	05.03.2020
2.7	Document of Compliance (DOC):	10.08.2015	29.04.2015	09.02.2019
2.8	USCG Certificate of Compliance (COC):	Not Applicable	Not Applicable	Not Applicable
2.9	Civil Liability Convention (CLC) 1992 Certificate:	Oct 29, 2015	Not Applicable	Oct 27, 2015
2.10	Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate:	Oct 29, 2015	Not Applicable	Oct 27, 2015
2.11	Ship Sanitation Control (SSCC)/Ship Sanitation Control Exemption (SSCE) Certificate:	14.09.2015	Not Applicable	14.03.2016
2.12	U.S. Certificate of Financial Responsibility (COFR):	Not Applicable	Not Applicable	Not Applicable
2.13	Certificate of Class (COC):	30.10.2014	12.03.2015	15.04.2018
2.14	International Sewage Pollution Prevention Certificate (ISPPC):	30.10.2014	Not Applicable	Mar 31, 2018
2.15	Certificate of Fitness (COF):	30.10.2014	12.03.2015	15.04.2018
2.16	International Energy Efficiency Certificate (IEEC):	30.10.2014	Not Applicable	Not Applicable
2.17	International Ship Security Certificate (ISSC):	10.08.2015	Not Applicable	05.03.2020
2.18	International Air Pollution Prevention Certificate (IAPPC):	30.10.2014	12.03.2015	15.04.2018
2.19	Maritime Labour Certificate (MLC):	16.03.2015	Not Applicable	05.03.2020

Documentation

2.20	Owner warrant that vessel is member of ITOPF and will remain so for the entire duration of this voyage/contract:	Yes
2.21	Does vessel have in place a Drug and Alcohol Policy complying with OCIMF guidelines for Control of Drugs and Alcohol Onboard Ship?	Yes
2.22	Is the ITF Special Agreement on board (if applicable)?	Not Applicable
2.23	ITF Blue Card expiry date:	Not Applicable

3.	CREW	
3.1	Nationality of Master:	Turkish
3.2	Number and Nationality of Officers:	Turkish
3.3	Number and Nationality of Crew:	Turkish & Azerbaijan
3.4	What is the common working language onboard:	Turkish & English
3.5	Do officers speak and understand English?	Yes
3.6	If Officers/Crew employed by a Manning Agency - Full style:	Officers: Not Applicable Crew: Not Applicable

4.	FOR USA CALLS	
4.1	Has the vessel Operator submitted a Vessel Spill Response Plan to the US Coast Guard which has been approved by official USCG letter?	Not Applicable
4.2	Qualified individual (QI) - Full style:	Not Applicable
4.3	Oil Spill Response Organization (OSRO) - Full style:	Not Applicable

5.	CARGO AND BALLAST HANDLING	
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Double Hull Vessels		
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5.1	Is vessel fitted with centerline bulkhead in all cargo tanks? If Yes, solid or perforated:	YES - PERFORATED
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Loadline Information		
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5.2	Loadline	Freeboard	Draft	Deadweight	Displacement
	Summer:	1.127m	5.896m	3521.985mt	5028.182mt
	Winter:	1.250m	5.773m	3053.728mt	4903.728mt
	Tropical:	1.004m	6.019m	3753.070mt	5153.070mt
	Lightship:	4.988m	2.113m	Not Applicable	1506.197mt
	Normal Ballast Condition:	3.766m	3.257m	1034.352mt	2540.549mt

5.3	Does vessel have multiple SDWT? If yes, please provide all assigned loadlines:	NO
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Cargo Tank Capacities		
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5.4	Number of cargo tanks and total cubic capacity (98%):	14	3847.923 Cu. Metres
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5.5	Capacity (98%) of each natural segregation with double valve (specify tanks):	NO.1C 629.539 CBM NO.2C 651.576 CBM NO.3C 693.234 CBM NO.4C 636.921 CBM NO.1P 154.613 CBM NO.1S 154.662 CBM NO.2P 176.416 CBM NO.2S 176.469 CBM NO.3P 170.077 CBM NO.3S 170.239 CBM NO.4P 174.586 CBM NO.4S 174.506 CBM SLOP P 70.354 CBM SLOP S 70.354 CBM
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5.6	Number of slop tanks and total cubic capacity (98%):	2	140.708 Cu. Metres
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5.7	Specify segregations which slops tanks belong to and their capacity with double valve:	SLOP P 70.354 CBM SLOP S 70.354 CBM
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5.8	Residual/Retention oil tank(s) capacity (98%), if applicable:	Not Applicable
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5.9	Does vessel have Segregated Ballast Tanks (SBT) or Clean Ballast Tanks (CBT):	SBT
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SBT Vessels		
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5.10	What is total SBT capacity and percentage of SDWT vessel can maintain?	648.49 Cu. Metres	28.50 %
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5.11	Does vessel meet the requirements of MARPOL Annex I Reg 18.2:	YES
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Cargo Handling and Pumping Systems		
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5.12	How many grades/products can vessel load/discharge with double valve segregation:	7 GRADES	
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5.13	Are there any cargo tank filling restrictions? If yes, specify number of slack tanks, max s.g., ullage restrictions etc.:	YES – LOADING PROHIBITED BETWEEN %20 AND 80% // SPECIFIC GRAVITY OF CARGOES ≥2.0 FOR CENTER TANKS AND SLOPS & SPECIFIC GRAVITY OF CARGOES ≥1.75 FOR SIDE TANKS ARE PROHIBITED TO LOAD.	
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5.14	Pumps	No.	Type	Capacity	At What Head (sg=1.0)
	Cargo Pumps:	10	SUBMERGED	180 Cu. Metres/Hour	105 METERS
	Cargo Eductors:	N/A	N/A	Cu. Metres/Hour	105 METERS
	Stripping:	N/A	N/A	Cu. Metres/Hour	105 METERS

	Ballast Pumps:	1	CENTRIFUGAL	180 Cu. Metres/Hour	105 METERS
	Ballast Eductors:	N/A	N/A	Cu. Metres/Hour	
5.15	Max loading rate for homogenous cargo per manifold connection:				445 CBM/HR
5.16	Max loading rate for homogenous cargo loaded simultaneously through all manifolds:			445 X 8 (3560) Cu. Metres/Hour	
5.17	How many cargo pumps can be run simultaneously at full capacity:				4 PCS
Cargo Control Room					
5.18	Is ship fitted with a Cargo Control Room (CCR)?				YES
5.19	Can tank innage / ullage be read from the CCR?				YES
Gauging and Sampling					
5.20	Can cargo be transferred under closed loading conditions in accordance with ISGOTT 11.1.6.6?				YES
5.21	What type of fixed closed tank gauging system is fitted:			FLOAT TYPE	
5.22	Number of portable gauging units (example- MMC) on board:				2 pcs
5.23	Are overfill (high) alarms fitted? If Yes, indicate whether to all tanks or partial:			YES – ALL TANKS	
5.24	Are cargo tanks fitted with multipoint gauging? If yes, specify type and locations:			NO	
5.25	Is gauging system certified and calibrated? If no, specify which ones are not calibrated:			YES	
Vapor Emission Control System (VECS)					
5.26	Is a Vapour Emission Control System (VECS) fitted?			YES	
5.27	Number/size of VECS manifolds (per side):			2	125 mm
5.28	Number / size / type of VECS reducers:			6 / 4" X 6" – 5" X 6"/	
Venting					
5.29	State what type of venting system is fitted:			P/V VALVES	
Cargo Manifolds and Reducers					
5.30	Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment'?				YES
5.31	Total number / size of cargo manifold connections on each side:			7/150 mm	
5.32	What type of valves are fitted at manifold:			GATE	
5.33	What is the material/rating of the manifold:			SUS 316	
5.34	Does the vessel have a Common Line Manifold connection? If yes, describe:			YES – CONNECTED TO INDIVIDUAL CARGO TANK LINES BY ELBOWS	
5.35	Distance between cargo manifold centers:				450 mm
5.36	Distance ships rail to manifold:				2780 Millimetres
5.37	Distance manifold to ships side:				2805 Millimetres
5.38	Top of rail to center of manifold:				1380 Millimetres
5.39	Distance main deck to center of manifold:				2380 Millimetres
5.40	Spill tank grating to center of manifold:				870 Milimeteres
5.41	Manifold height above the waterline in normal ballast / at SDWT condition:			3.5 Metres	6.15Metres
5.42	Number / size / type of reducers:			2 pcs / JIS 5" X JIS 5" 1 pcs / JIS 6" X JIS 10" 1 pcs / JIS 6" X ANSI 10" 1 pcs / JIS 6" X JIS 5" 2 pcs / JIS 8" X ANSI 10" 2 pcs / JIS 8" X ANSI 8" 1 pcs / JIS 4" X JIS 3" 1 pcs / JIS 4" X ANSI 5" 1 pcs / JIS 8" X JIS 4" 1 pcs / JIS 5" X ANSI 5" 1 pcs / ANSI 5" X ANSI 6" 1 pcs / JIS 5" X ANSI 6" 1 pcs / JIS 6" X ANSI 8" 1 pcs / JIS 4" X JIS 5" 1 pcs / JIN 8" X JIN 10"	
5.43	Is vessel fitted with a stern manifold? If yes, state size:				YES / 150 Millimetres
Heating					
5.44	Cargo / slop tanks fitted with a cargo heating system?		Type	Coiled	Material
	Cargo Tanks:		WATER	YES	SUS 304

	Slop Tanks:	WATER	YES	SUS 304		
5.45	Maximum temperature cargo can be loaded / maintained:		65 DEG CELCIUS	32 DEG CELCIUS		
5.46	Minimum temperature cargo can be loaded / maintained:		N/A	N/A		
Coating / Anodes						
5.47	Tank Coating	Coated	Type	To What Extent	Anodes	
	Cargo tanks:	YES	WING:ZINC CENTER:SUS316L	-	ZINC ANODES	
	Ballast tanks:	YES	EPOXY	-	ZINC ANODES	
	Slop tanks:	YES	SUS316L	-	ZINC ANODES	
6. INERT GAS AND CRUDE OIL WASHING						
6.1	Is a Crude Oil Washing (COW) installation fitted / operational?			N/A		
6.2	Is an Inert Gas System (IGS) fitted / operational?			N/A		
6.3	Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen:			N/A		
7. MOORING						
7.1	Wires (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	0	0 Millimetres	N/A	0 Metres	0 Metric Tonnes
	Main deck fwd:	0	0 Millimetres	N/A	0 Metres	0 Metric Tonnes
	Main deck aft:	0	0 Millimetres	N/A	0 Metres	0 Metric Tonnes
	Poop deck:	0	0 Millimetres	N/A	0 Metres	0 Metric Tonnes
7.2	Wire tails	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	0	0 Millimetres	N/A	0 Metres	0 Metric Tonnes
	Main deck fwd:	0	0 Millimetres	N/A	0 Metres	0 Metric Tonnes
	Main deck aft:	0	0 Millimetres	N/A	0 Metres	0 Metric Tonnes
	Poop deck:	0	0 Millimetres	N/A	0 Metres	0 Metric Tonnes
7.3	Ropes (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	55 mm	Polypropylene+Polyestr	200 M	45.2 T
	Main deck fwd:	0	0 Millimetres	N/A	0 Metres	0 Metric Tonnes
	Main deck aft:	0	0 Millimetres	N/A	0 Metres	0 Metric Tonnes
	Poop deck:	4	55 mm	Polypropylene+Polyestr	200 M	45.2 T
7.4	Other lines	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	2	55 mm	Polypropylene+Polyestr	200 M	45.2 T
	Main deck fwd:	0	0 Millimetres	N/A	0 Metres	0 Metric Tonnes
	Main deck aft:	0	0 Millimetres	N/A	0 Metres	0 Metric Tonnes
	Poop deck:	2	55 mm	Polypropylene+Polyestr	200 M	45.2 T
7.5	Winches	No.	No. Drums	Motive Power	Brake Capacity	Type of Brake
	Forecastle:	2	DOUBLE	ELECTRO HYDRAULIC	20 TON	MANUAL
	Main deck fwd:	0	N/A	N/A	N/A	N/A
	Main deck aft:	0	N/A	N/A	N/A	N/A
	Poop deck:	2	DOUBLE	ELECTRO HYDRAULIC	20 TON	MANUAL
7.6	Bits, closed chocks/fairleads	No. Bits	SWL Bits	No. Closed Chocks	SWL Closed Chocks	
	Forecastle:	2	16 TON	8	3 TON	
	Main deck fwd:	2	16 TON	N/A	N/A	
	Main deck aft:	2	16 TON	N/A	N/A	
	Poop deck:	2	16 TON	8	3 TON	
Anchors/Emergency Towing System						
7.7	Number of shackles on port / starboard cable:			8/8		
7.8	Type / SWL of Emergency Towing system forward:		N/A	N/A		
7.9	Type / SWL of Emergency Towing system aft:		N/A	N/A		
Escort Tug						
7.10	What is size / SWL of closed chock and/or fairleads of enclosed type on stern:			N/A	N/A	
7.11	What is SWL of bollard on poop deck suitable for escort tug:				16 TONNES	

Bow/Stern Thruster			
7.12	What is brake horse power of bow thruster (if fitted):	N/A	
7.13	What is brake horse power of stern thruster (if fitted):	N/A	
Single Point Mooring (SPM) Equipment			
7.14	Does the vessel meet the recommendations in the latest edition of OCIMF 'Recommendations for Equipment Employed in the Bow Mooring of Conventional Tankers at Single Point Moorings (SPM)'?	N/A	
7.15	If fitted, how many chain stoppers:	N/A	
7.16	State type / SWL of chain stopper(s):	N/A	N/A
7.17	What is the maximum size chain diameter the bow stopper(s) can handle:	N/A	
7.18	Distance between the bow fairlead and chain stopper/bracket:	N/A	
7.19	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give details of size:	N/A	
Lifting Equipment			
7.20	Derrick / Crane description (Number, SWL and location):	1 / 0.9 TON / AMIDSHIP / HOSE CRANE	
7.21	What is maximum outreach of cranes / derricks outboard of the ship's side:	7 METERS	
Ship To Ship Transfer (STS) / Helicopter Operations			
7.22	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum, Chemicals or Liquefied Gas, as applicable)?	YES	
7.23	Can the ship comply with the ICS Helicopter Guidelines? If Yes, state whether winching or landing area provided and diameter of the circle provided:	N/A	

8.	MISCELLANEOUS		
Engine			
8.1	Speed	Maximum	EcSonomic
	Ballast speed:	12.5	11.5
	Laden speed:	12.0	11.0
8.2	What type of fuel is used for main propulsion / generating plant:	FO 180	MGO
8.3	Type / Capacity of bunker tanks:	IFO 232.14 M3 / MGO 80.45 M3	
8.4	Is vessel fitted with fixed or controllable pitch propeller(s):	FIXED	
8.5	Engines	No	Capacity
	Main engine:	1	2405 KW SSANYONG MAN B&W 6S26MK6
	Aux engine:	3	280 KW(350KWA) 1200 NIIGATA-6NSD-G RPM
	Power packs:	2	355 LTR / MIN FRAMO
	Boilers:		
Emissions			
8.6	Main engine IMO NOx emission standard:	N/A	
8.7	Energy Efficiency Design Index (EEDI) rating number:	N/A	
Insurance			
8.8	P & I Club - Full Style:	LODESTAR MARINE LIMITED Walsingham House 35 Seeting Lane London, EC3N 4DQ United Kingdom Tel: +44 (0)20 7068 8300 Email: info@lodestar-maritime.com Web: www.lodestar-marine.com,	
8.9	P & I Club pollution liability coverage / expiration date:	1,000,000,000 US\$	
8.10	Hull & Machinery insured by - Full Style:		
8.11	Hull & Machinery insured value / expiration date:		
Recent Operational History			
8.12	Date and place of last Port State Control inspection:	11.09.2015 – TEMRYUK/RUSSIA PARIS MOU	
8.13	Any outstanding deficiencies as reported by any Port State Control? If yes, provide details:	No Not Applicable	
8.14	Has vessel been involved in a pollution, grounding, serious casualty or collision incident	Pollution: No, Not Applicable	

	during the past 12 months? If yes, full description:	Grounding: No, Not Applicable Casualty: No, Not Applicable Collision: No, Not Applicable
8.15	Last three cargoes / charterers / voyages (Last / 2nd Last / 3rd Last):	Please ask to Commercial Operator
8.16	Date/place of last STS operation:	05.10.2015 / KAVKAZ - RUSSIA
Vetting		
8.17	Date of last SIRE inspection:	03.06.2015 KOCH 26.09.2015 LUKOIL
8.18	Date of last CDI inspection:	31.08.2015 CDI
8.19	Recent Oil company inspections/screenings (To the best of owners knowledge and without guarantee of acceptance for future business)*: <i>* "Approvals" are not given by Oil Majors and ships are accepted for the voyage on a case by case basis.</i>	As Above
Additional Information		
8.20	Additional information relating to features of the ship or operational characteristics:	N/A

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