

SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES

SERIAL NUMBERS: 17, 22, 23

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the Mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable Mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the Mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

The following Top Drive Mudline braces have been reviewed and were found to be properly installed at the factory to support the rated loads. If the brace has been field modified, it should be evaluated.

S/N: 017
022

The following Top Drive Mudline braces have been reviewed but sufficient information was not available to determine the acceptability of the braces. These Top Drives should be evaluated.

023

INFORMATION :

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Figure 1-Good Support



Figure 2-Good Support

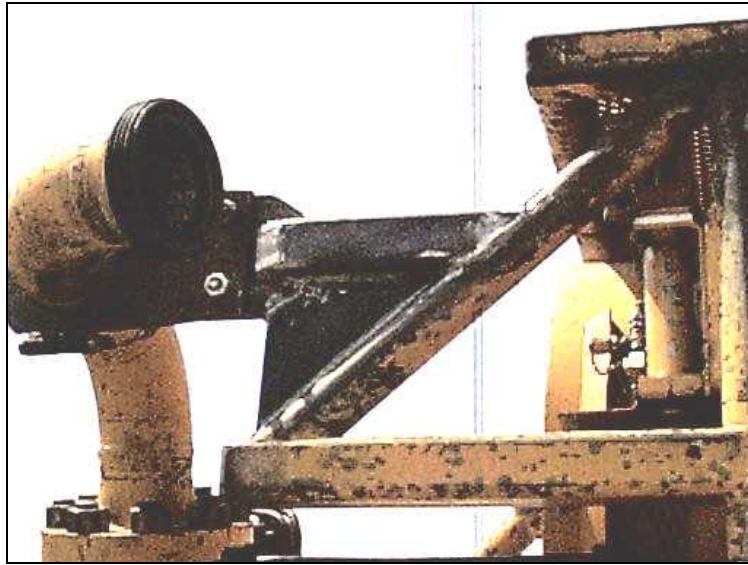


Figure 3-Good Support



Figure 4-Good Support



Figure 5-Insufficient Support

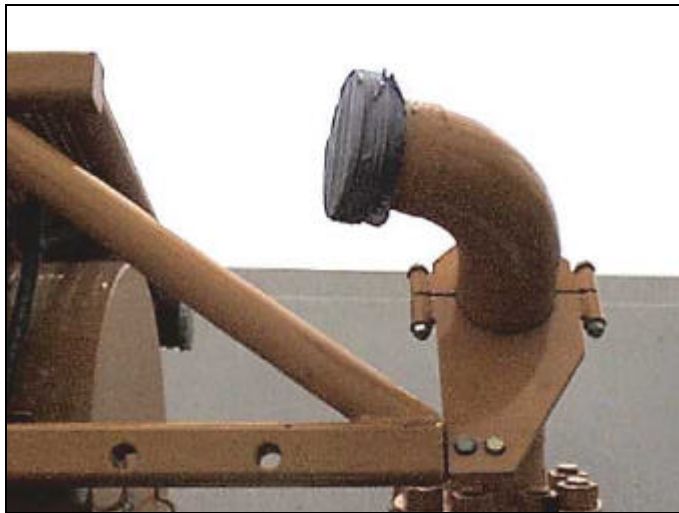


Figure 6-Insufficient Support



Figure 7-Insufficient Support



Figure 8-Insufficient Support

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CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 51-2

SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 118

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive (serial number 118) mudline brace has been reviewed but sufficient information was not available to determine the acceptability of the brace. The bracing should be evaluated.

INFORMATION :

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SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 28

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive S/N 028 mudline brace has been reviewed and was found to be properly installed at the factory to support the rated loads. If the brace has been field modified, however, it should be evaluated.

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CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 51-4

SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 89, 112

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive S/N 089 mudline brace has been reviewed but sufficient information was not available to determine the acceptability of the brace. This Top Drive should be evaluated.

Your Top Drive S/N 112 mudline brace has been reviewed and may be insufficient to meet the design criteria. This should be modified as soon as possible. Contact the Canrig Service Department for assistance.

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SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 76

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive S/N 076 mudline brace has been reviewed and may be insufficient to meet the design criteria. This should be modified as soon as possible. Contact the Canrig Service Department for assistance.

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CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 51-6

SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 005

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive serial number 005 mudline brace has been reviewed but sufficient information was not available to determine the acceptability of the brace. The bracing should be evaluated.

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CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 51-8

SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 44, 58

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive S/N 058 mudline brace has been reviewed but sufficient information was not available to determine the acceptability of the braces. This Top Drive should be evaluated.

Your Top Drive S/N 044 mudline brace has been reviewed and may be insufficient to meet the design criteria. This should be modified as soon as possible. Contact the Canrig Service Department for assistance.

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SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 37, 41, 50, 66, 71, 104

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive S/N 041 mudline brace has been reviewed and was found to be properly installed at the factory to support the rated loads. If the brace has been field modified, however, it should be evaluated.

The following Top Drive mudline braces have been reviewed but sufficient information was not available to determine the acceptability of the braces. These Top Drives should be evaluated.

S/N:	037	071
	050	104
	066	

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CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 51-13

SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 11

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive S/N 011 mudline brace has been reviewed and was found to be properly installed at the factory to support the rated loads. If the brace has been field modified, however, it should be evaluated.

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CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 51-14

SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 39, 119, 122

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive S/N's 039, 119 and 122 mudline braces have been reviewed but sufficient information was not available to determine the acceptability of the braces. The bracing should be evaluated.

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CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 51-15

SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 006, 16, 26, 31, 32, 60, 61, 64, 65, 78, 87, 106, 132

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

The following Top Drive Mudline braces have been reviewed and were found to be properly installed at the factory to support the rated loads. If the brace has been field modified, it should be evaluated.

S/N:	006	106
	026	132

The following Top Drive Mudline braces have been reviewed but sufficient information was not available to determine the acceptability of the braces. These Top Drives should be evaluated.

S/N:	016	060	065
	031	061	078
	032	064	087

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SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 001, 002, 14, 20, 21, 30, 38, 84, 92, 93, 98, 100, 107, 109

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

The following Top Drive Mudline braces have been reviewed and were found to be properly installed at the factory to support the rated loads. If the brace has been field modified, it should be evaluated.

S/N:	001	020	030
	002	021	038

The following Top Drive Mudline braces have been reviewed but sufficient information was not available to determine the acceptability of the braces. These Top Drives should be evaluated.

S/N:	014	093	107
	084	098	109
	092	100	

INFORMATION :

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CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 51-17

SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 008, 15, 33, 36, 40, 43, 45, 46, 53, 54, 56, 59, 63, 68, 70, 74, 75, 77, 79, 81, 82, 86, 90, 94, 101, 116, 121

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

The following Top Drive Mudline braces have been reviewed and were found to be properly installed at the factory to support the rated loads. If the brace has been field modified, it should be evaluated.

S/N:	008	063
	033	074
	045	075
	046	079
	053	082
	054	090
	059	094

The following Top Drive Mudline braces have been reviewed but sufficient information was not available to determine the acceptability of the braces. These Top Drives should be evaluated.

S/N:	015	068	101
	036	070	116
	043	077	121
	056	086	

The following Top Drive Mudline braces have been reviewed and may be insufficient to meet the design criteria. These should be modified as soon as possible. Contact the Canrig Service Department for assistance.

S/N:	040
	081

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SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 96

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive serial number 096 mudline brace has been reviewed and may be insufficient to meet the design criteria. This should be modified as soon as possible. Contact the Canrig Service Department for assistance.

INFORMATION :

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SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 003, 009, 97

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive serial numbers 003 and 097 mudline braces have been reviewed and were found to be properly installed at the factory to support the rated loads. If the braces has been field modified, they should be evaluated.

Your Top Drive serial number 009 mudline brace has been reviewed and may be insufficient to meet the design criteria. This should be modified as soon as possible. Contact the Canrig Service Department for assistance.

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CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 51-20

SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 67, 73, 91, 114, 115, 127

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

The following Top Drive Mudline braces have been reviewed but sufficient information was not available to determine the acceptability of the braces. These Top Drives should be evaluated.

S/N 073 091 127

The following Top Drive Mudline braces have been reviewed and may be insufficient to meet the design criteria. These should be modified as soon as possible. Contact the Canrig Service Department for assistance.

S/N: 067 114 115

INFORMATION :

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CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 51-22

SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 13, 47

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive S/N's 013 and 047 mudline braces have been reviewed and were found to be properly installed at the factory to support the rated loads. If the brace has been field modified, however, it should be evaluated.

INFORMATION :

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SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 007, 18, 69

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive S/N's 007 and 018 mudline braces have been reviewed and were found to be properly installed at the factory to support the rated loads. If the brace has been field modified, however, it should be evaluated.

Your Top Drive S/N 069 mudline brace has been reviewed but sufficient information was not available to determine the acceptability of the brace. This Top Drive should be evaluated.

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CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 51-25

SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 29, 34, 35, 49, 55, 62, 103, 111

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

The following Top Drive Mudline braces have been reviewed and were found to be properly installed at the factory to support the rated loads. If the brace has been field modified, it should be evaluated.

S/N:	029	035
	034	049

The following Top Drive Mudline braces have been reviewed but sufficient information was not available to determine the acceptability of the braces. These Top Drives should be evaluated.

S/N:	055	103
	062	111

INFORMATION :

For further information contact:

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Phone: 281.259.8887
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SAFETY ALERT

DATE: June 15, 1999

SUBJECT: MUDLINE SUPPORT BRACES (See pictures at the end of 51-1)

SERIAL NUMBERS: 51, 52, 126

DISCUSSION: Improper support of the Top Drive Mudline and Gooseneck can result in the Mudline components being overloaded. A proper brace should be able to support 5000 pounds vertical load. It should support the mudline from directly underneath as far out on the kelly hose connection end as possible. If support from directly below was not possible, the bracing should still be able to support 5000 thousand pounds, but must also not allow for any twisting motion in the support. The mounting bolts should be 5/8" minimum with locking nuts and be spaced 3-4" apart.

RECOMMENDATION: Attached are example pictures of acceptable mudline brace designs. These can be used to help evaluate the Mudline bracing on the Top Drive. If you wish to have Canrig evaluate the bracing, please send pictures of the mudline and bracing to the Canrig Service Department with the Top Drive serial number clearly marked.

Your Top Drive S/N 052 mudline brace has been reviewed and was found to be properly installed at the factory to support the rated loads. If the brace has been field modified, however, it should be evaluated.

Your Top Drive S/N's 051 and 126 mudline braces have been reviewed but sufficient information was not available to determine the acceptability of the braces. These Top Drives should be evaluated.

INFORMATION :

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