

SAFETY BULLETIN

Ref Document No.	SB24001	Issue No.	1
Subject	CT10LP Lift Rating Information Document		
Release Date	12 th April 2024		

Purpose – To advise COALTRAM® owners and operators that an updated CT10LP Lift Rating Information document has been published.

Applicability – PPKME CT10LP

Background

Though the nominal 10 tonne Lift capacity of CT10LP covers a large range of the loader's working conditions, there are circumstances under which this capacity reduces. This could be unclear and may pose risks to the health and safety of the users. Hence, PPKME provides the users with guidelines in this regard through the CT10LP Lift Rating Information document (Document ID DW-084 version 2-0424).

Investigations/Findings

Engineering computation was executed to specify the minimum requirements that CT10LP users should comply with so that they could ensure the loader is without risks to health and safety when using attachments.

Investigation has been launched for all PPKME loaders. Relevant Lift Rating Information documents will be released in due course.

Recommendations

PPKME recommend reviewing the CT10LP Lift Rating Information document.

Engineering Department
PPK Mining Equipment Pty Ltd
E: Bulletins@ppkme.com.au
T: +612 4964 5400
www.ppkme.com.au

COALTRAM® CT10LP
LIFT RATING INFORMATION

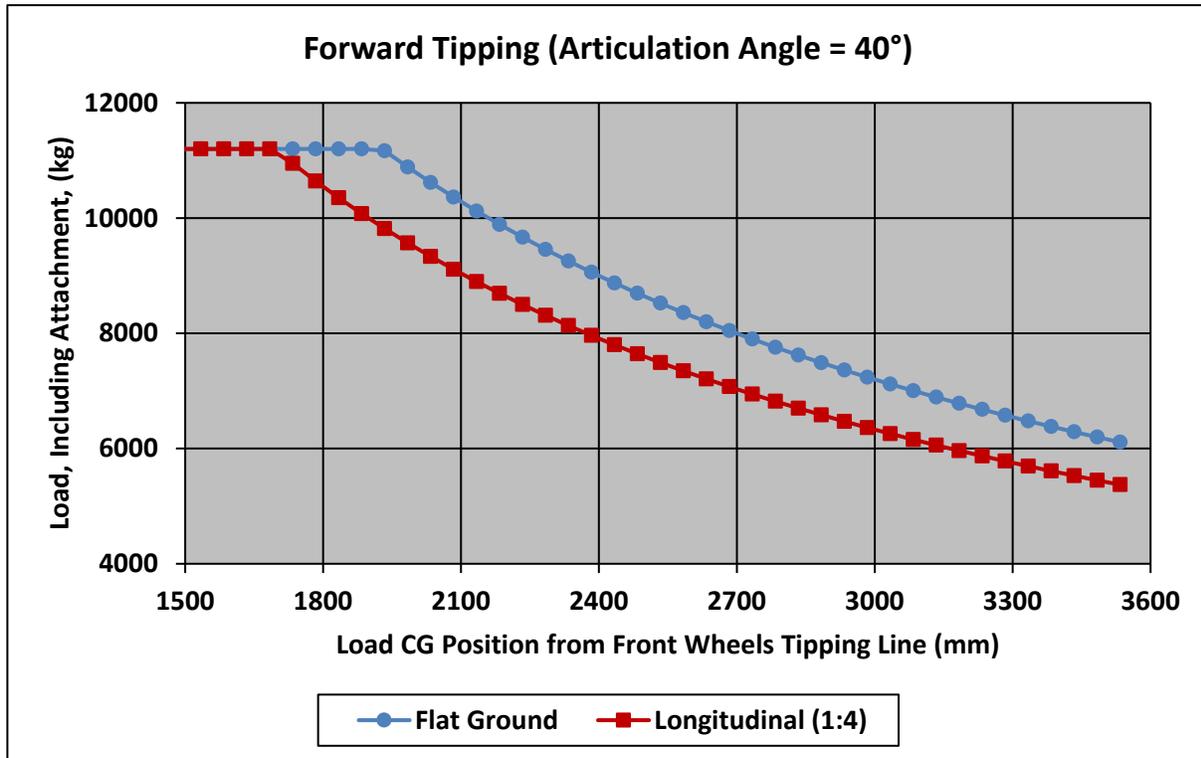
Introduction

The lift rating of the COALTRAM® CT10LP is based on the load capacity of tyres, the integrity of mechanical/structural components, the pressure capacity of hydraulic cylinders and the stability of the machine. Engineering calculations for the CT10LP under static conditions suggest:

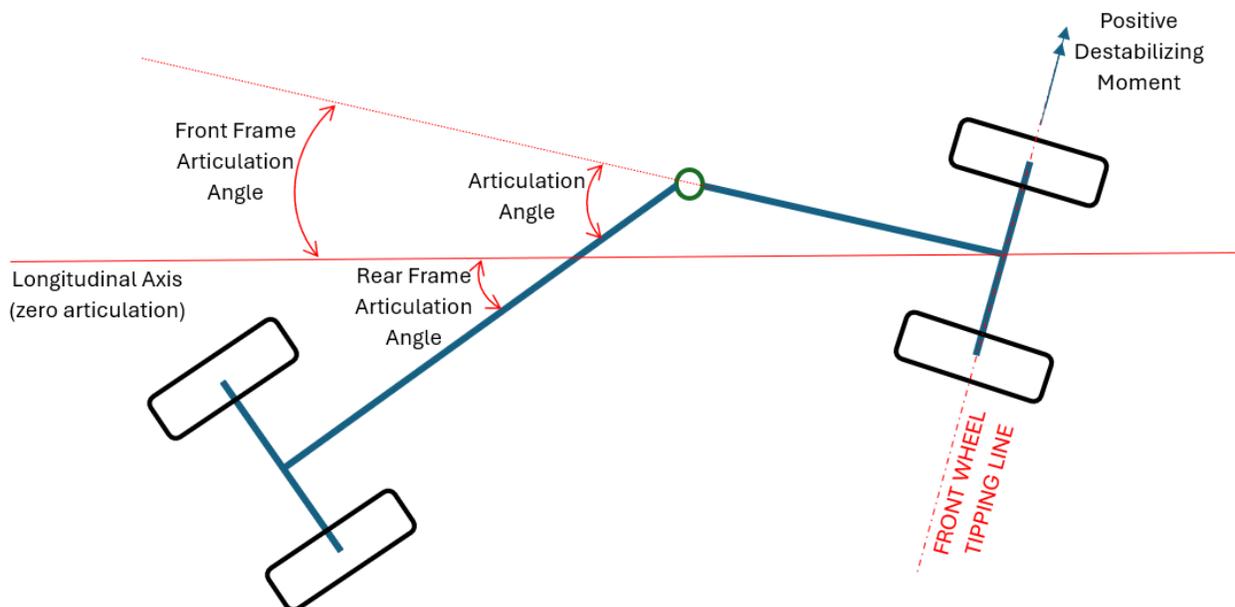
1. in terms of cylinder capacity, the crowd cylinder is the limiting factor, and
2. in terms of machine stability, forward tipping is the most restrictive destabilising condition.

As the minimum requirement, users should make sure that their desired operating condition agrees with the presented data in the next two sections.

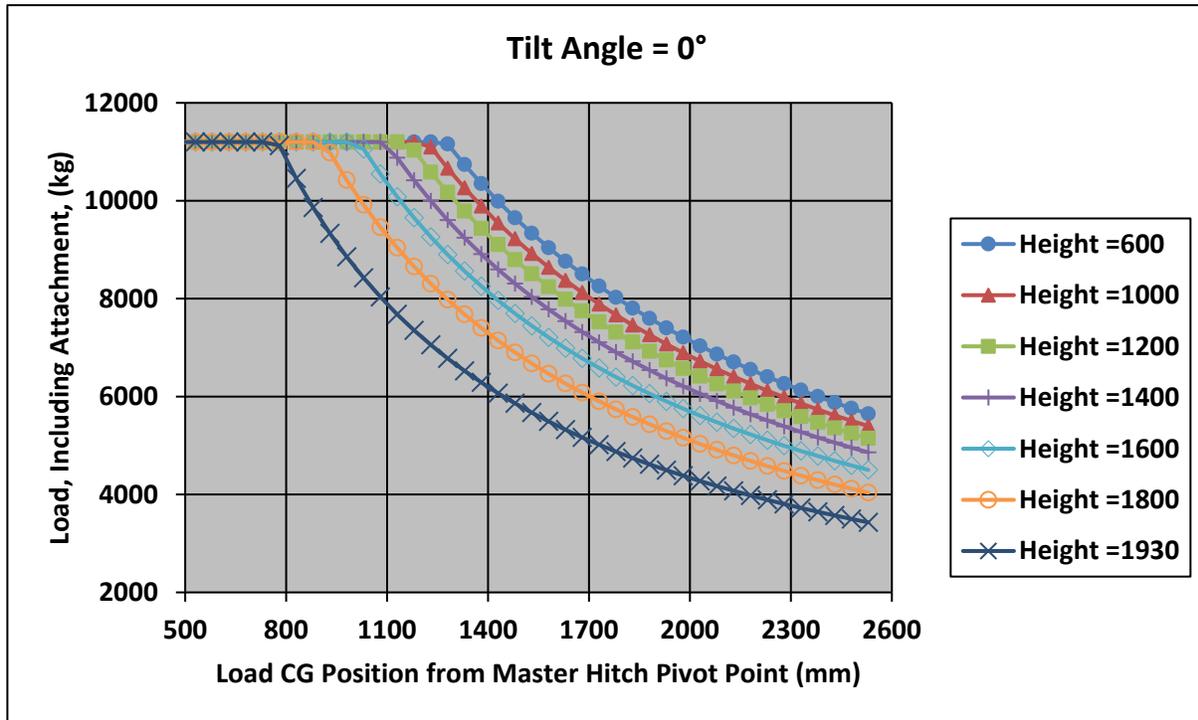
Machine Stability



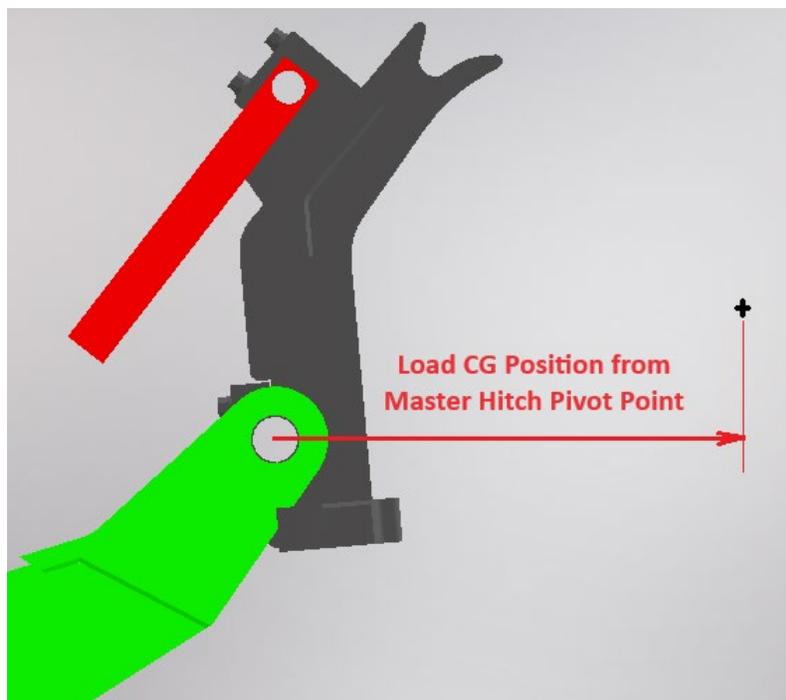
The maximum limit load including attachment is 11200 kg



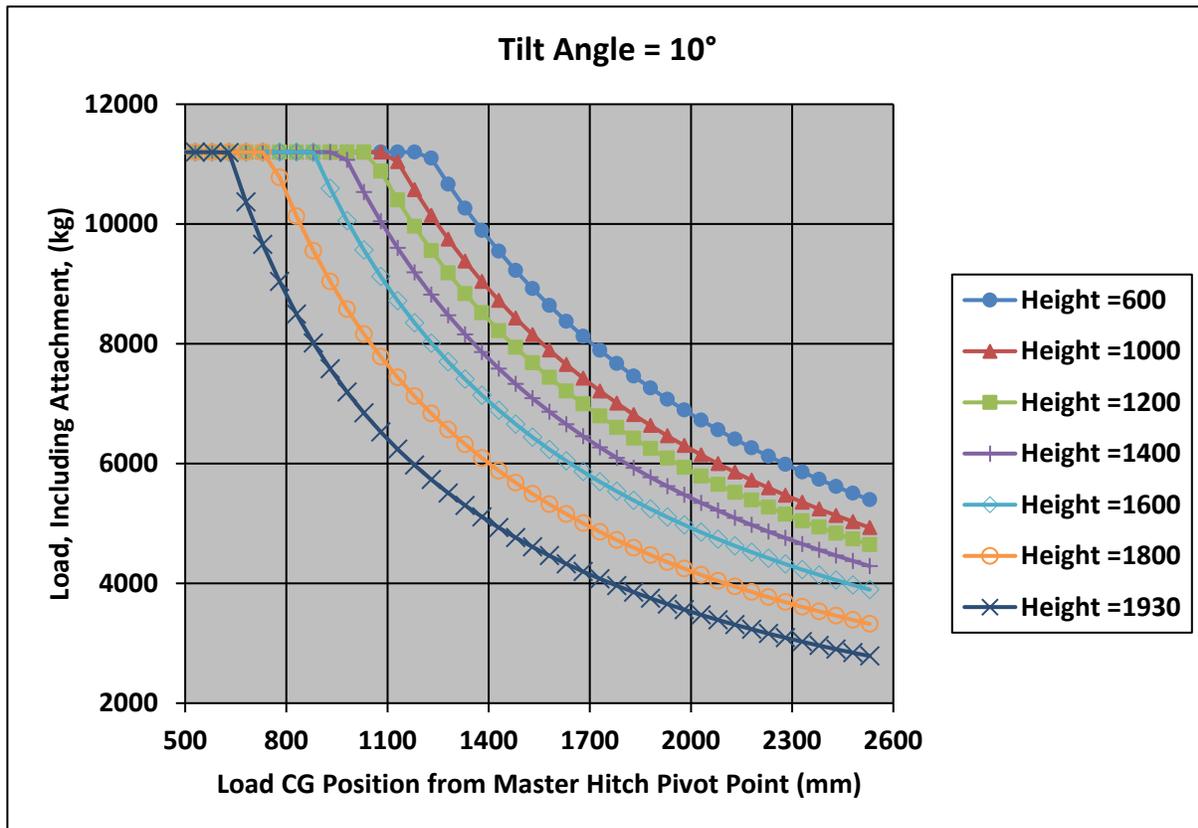
Crowd Cylinder Capacity



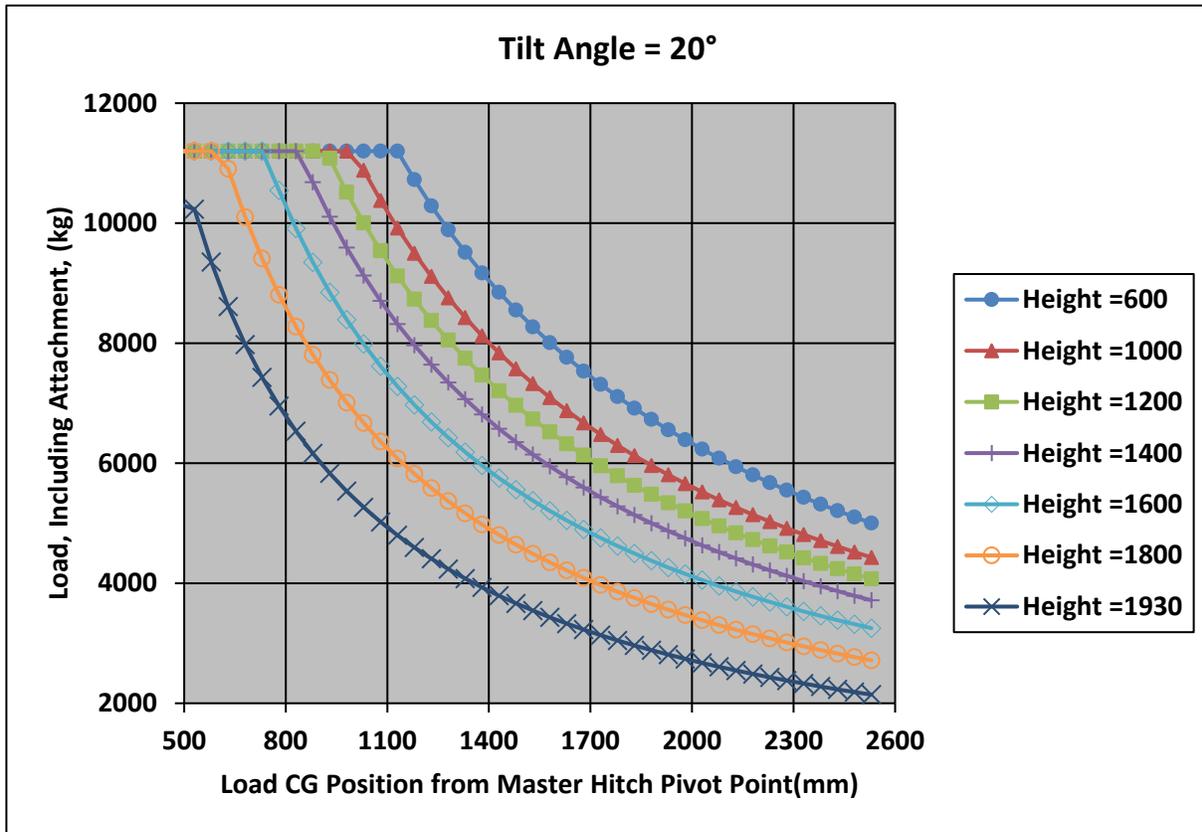
The maximum limit load including attachment is 11200 kg



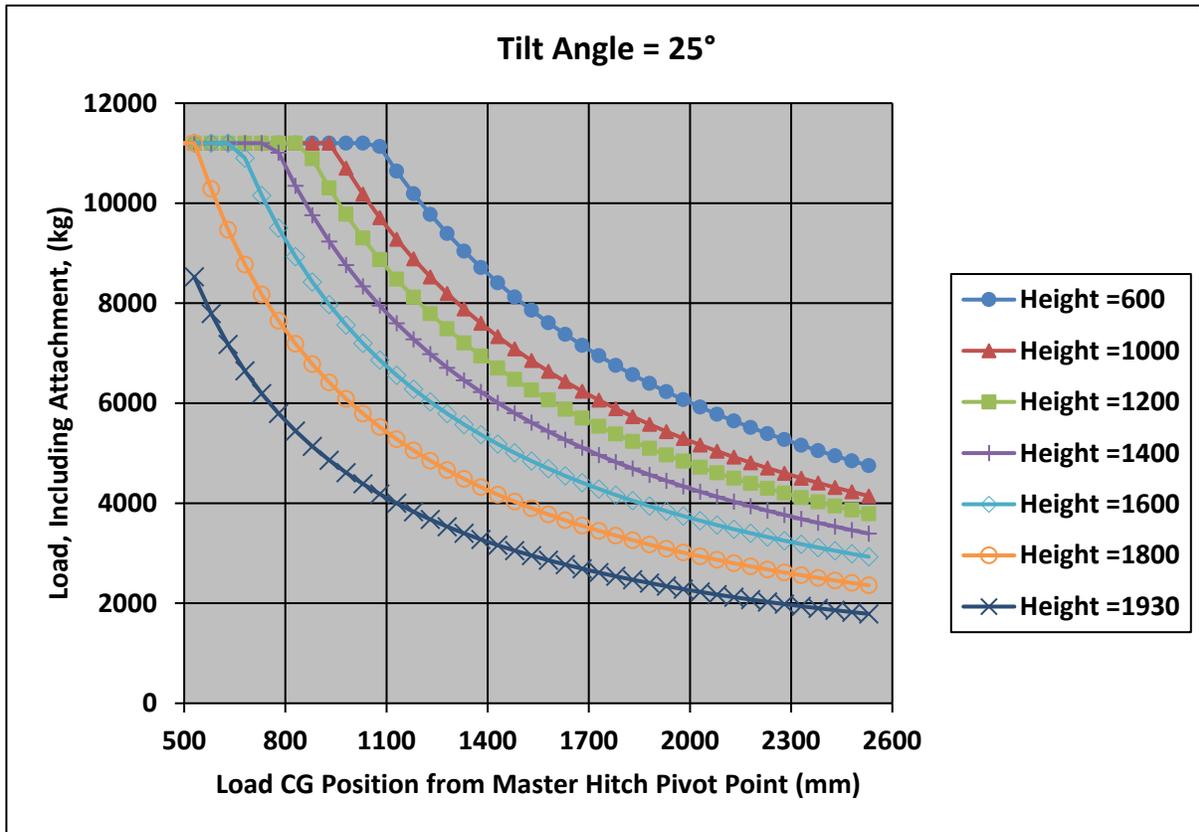
N.B. Due to the geometry of the loader arm and hitch arrangement, it is not practicable to keep a zero-degree tilt angle. In such cases, the graphs below must be followed.



The maximum limit load inc, attachment is 11200 kg



The maximum limit load including attachment is 11200 kg



The maximum limit load including attachment is 11200 kg

Schedule of Limitations

Results are approximate and may vary considerably due to road conditions, tyre diameters, tyre fill methods and vehicle configuration. Further safety factors are recommended. Additionally, the following recommendations must be considered:

1. First gear to be used when the bottom of the bucket/forkset is higher than 1 metre above floor level.
2. To be driven in low speed of first gear when articulation angle is more than 20°.
3. Load should be carried as low to the floor as practicable during transport.
4. Load should be centred on QDS bucket/forkset. Maximum allowable deviation from LHD centreline is 100 mm.
5. Roadway should be kept clean of loose coal or other debris. Pothole depth should not be more than 100 mm.
6. Sandblasting and NDT of attachments and the vehicle frame, including loader arm, should be done for visual crack inspection. Inspection intervals should not exceed 12 months.
7. Operators should be suitably trained and competent with loader operation, including but not limited to completing COALTRAM® operator training.
8. Extensions/attachments fitted by users must be suitably rated, certified and specifically risk assessed.
9. Lifting of personnel must be specifically risk-assessed.

Recommended Tyres

Tyre Brand	Tyre Type	Fill Type
Michelin	XMINED2 17.5x25	P/PW/F/I
	XKA 17.5x25	P/PW/F/I
Ty Cushion	49/20.5x25U	S
	52/20.5X25D	S
	17.5x25D	S
	45/20.5x25U	S
Infinity	1425x450	P/PW/F/I
Pirelli	CE11 17.5x25	P/PW/F/I

Tyre Fill Type	Abbreviation
Pneumatic	P
Pneumatic/Water	PW
Replaceable Inserts	I
Foam Fill	F
Solid rubber	S