



Product Type Approval Certificate

Full / Provisional / Restricted

This certificate is issued to:

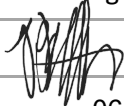
Supplier name and address:	SWBPlus (Statewide Bearings) 67 Kewdale Road, Kewdale, WA, Australia
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In respect of:

Manufacturer:	Oleo International
Place of manufacture:	Grovelands, Longford Road, Exhall, Coventry, CV7 97E UK
Product description:	Oleo Fixed Hydraulic Buffer Stop with twin hydraulic rams plus trolley system FCH-A1098X1758-C800-905-1400-T, of following types: <ol style="list-style-type: none"> 1. 718MMO-250-AT4 (Type 718), 2. 724MMO-250-B0D (Type 724), and 3. 730MMO-250-B0E (Type 730).
Use approved for:	This product is approved to be used on TfNSW heavy rail passenger terminals, depots and sidings for all passenger rolling stock. It is approved for constrained locations where the use of other types of buffer stops have proven unsuitable.
Conditions of approval:	<ol style="list-style-type: none"> 1. This Type Approval is for mechanical components only. A suitable mounting system for these mechanical components shall be engineered and tailored for requirements of a particular site. 2. Designer shall consult with OLEO to ascertain the suitable buffer stop combination and compatibility for a given project or with any new rolling stock. 3. This Type Approval Certificate will be subject to review within a period not exceeding 5 years. 4. The place of manufacture shall hold International Quality System Certification.

	<p>5. Should the presence of any previously unidentified defect or condition in service arise, it shall require further collaborative investigation.</p> <p>6. The supplier or manufacturer must advise ASA, TfNSW of any changes made to the product or system that may alter its identification, performance characteristics, form, fit, function, processes required for correct usage or place of manufacture to enable review and revision of this approval.</p> <p>7. The user shall ensure the suitability of this product for the intended application, without any recourse or cost implication to TfNSW.</p>
Limitations:	None

Evaluating rail transport operator

Name:	John Paff
Position:	Lead Track Engineer, Asset Standards Authority, Transport for NSW
Signature:	
Date:	06-05-2020

Product approval pack reference number: qA896779

Annexure 1 Schedule of Certifications

Title	Registration Number	Valid Till	Issuing Authority
Manufacturer Quality Management System Certificate ISO 9001 : 2015	FM 552731	11/09/2021	BSI
Supplier Quality Management System Certificate ISO 9001 : 2015	AU 96/704	24/06/2020	SSC Systems and Services Certification Australia Pty Ltd
Rail Product Type Approval for Oleo	BS-PA-1393	-	Railcorp, Issued 26/03/2013.

Annexure 2 Supporting Documentation

Title	Issuing Authority	Author	Report Number
Richmond Station Sydney Simulation Report	Oleo International	Ryan Yeend	563662, 13/05/2018
Buffer Stop Strength modelling analysis and report	Oleo International	Joel GT	QAD379, Issue 1, June 2018, 9386921
Final production drawings – Installation	Oleo	JSJ	7378801, 14/08/2019 (Sheets 1to 4),
Oleo Quality Manual	Oleo International	Oleo Quality Manager	QMS-9001:2015, 18/08/15
Sydney Richmond Impact scenario study	Oleo International	-	A 39188/563662, 6/09/2019
Customer Design approval letter and associated drawing	Oleo	Ryan Yeend	Issued 27/06/2019
Various technical information on Oleo Type 718 (7367461) suffer stops	Oleo International	-	-

Title	Issuing Authority	Author	Report Number
Richmond Station Sydney Simulation Report	Oleo International	Ryan Yeend	563662, 13/05/2018
TMP recommendations	SWB	T Williams, M Hart	14/01/2019
Installation package including installation guideline, checklist, recommendations (including certificate of conformity from third party)	Oleo International	Various	Various