

Date: September 2016
Subject: Application Approval for Severe Duty Cycle Vocations
Models: Meritor Drive Axles

Dear Customer

In order to address potential product reliability issues, the following Product Information Letter (PIL # 16-005) is being released as an addition to PIL # 11-001 (Axle model designations and required features for Australia).

- PIL # 11-001 details the general application guidelines by axle model
 - PIL # 16-005 further develops the Meritor requirements for Application Approval submission
- PIL # 11-001 gives an indication of typical gradients and maximum gradients for the different vocations. (An extract from PIL # 11-001 is shown below – Fig 1.)



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PRODUCT INFORMATION LETTER # 11-001

MERITOR AXLES AND SUSPENSIONS — NOMINAL ON-HIGHWAY G.C.W. RATINGS [TONNES] FOR AUSTRALIA AND NEW ZEALAND

Axle Model Identification		Engine Limit ¹	Ground Rating	Highway Operation Gradients	B Doubles (& Triples) Operation Gradients	Road Train ^{2,3} Operation Gradients
Australia	North America		Tonne	8% Typical 13% Maximum	5% Typical 8% Maximum	3% Typical 5% Maximum
RQ4670		LAZY AXLE (N/A)	10	N/A	N/A	N/A
RS-23-161G (MS-11-165)	RS-23-161G	1850 FT-LBS	11	36	N.R.	N.R.
RS-26-186G (MS-12-186)	RS-26-186G	1850 FT-LBS	11.8	50	N.R.	N.R.
RT-40-140G (MT-18-144G)	RT-40-140G	1650 FT-LBS	18.1	50	N.R.	N.R.
RT-40-145GA (MT-18-144GA)	RT-40-145GA	1650 FT-LBS	18.1	50	N.R.	N.R.
RT-40-145GP (MT-18-144GP)	RT-40-145GP	1650 FT-LBS	18.1	50	N.R.	N.R.
MT-40-14XGP ⁵	MT-40-14XGP	1650 FT-LBS	18.1	50	N.R.	N.R.
MT-44-14XGP ⁵	MT-44-14XGP	1650 FT-LBS	20	50	N.R.	N.R.
RT-46-160GP (MT-21-165GP)	RT-46-160GP	2050 FT-LBS	20.9	80	90	110
RT-50-160GP (MT-23-168GP)	RT-50-160GP	2050 FT-LBS	22.7	90	100	131
RT-52-185G (MT-24-186G)	RT-52-185G	2050 FT-LBS	23.6	100	110	140
RT-52-380G (MT-24-386G)	RT-52-380G	2050 FT-LBS	23.6	120	120	155

Fig. 1 – Extract from PIL # 11-001

PIL # 16-005 requires that Application Approvals are required to be submitted for;

- Any vocation that exceeds the maximum specified gradient
- Any vocation that is operating for more than 10% of its time or distance on the typical, or greater, gradients

Depending on the details of the Application Approval and analysis, warranty limitations and specific servicing and/or maintenance requirements may apply.

This may include, but may not be limited to, mandating specific oil type and periodic oil sampling to monitor for an early indication of, for example, premature bearing wear.

Warranty coverage would be subject to proof of these specific servicing and/or maintenance requirements. Complete or catastrophic failure of the carrier may not be covered by warranty if the earlier oil sampling has indicated a potential issue.

As before, any axle model, duty cycle or vocation not covered by PIL # 11-001 requires an Application Approval form to be submitted.

Enhanced Pinion Bearing for RT-46-160 and RT-50-160 Axles

An enhanced pinion bearing package is available for the forward rear carrier on RT-160 axles to further improve the reliability on applications that are operating on severe duty cycles or vocations outside of the typical application guidelines of PIL # 11-001.

An Application Approval should be submitted as part of the request process for fitment of this enhanced bearing package.

For any questions relating to the above, please contact a Meritor® Australia representative on +613-9300-5200.

**Issued by Product Engineering
Meritor HVSA Ltd**