

Report Summary								
Report No.	Contract No.	Customer Order No.	Model / Serial Number	Sample Date	Component / Serial Number	Hours	Deposit / Weight (g)	LIMS No.
LQS13-00957		UK/730093952	49-27_X / 49-27 _X	03/Dec/2013	MAIN SLEWING BEARING / 0000036030	-	HEAVY /	2013033279
Diagnosis								
The majority of debris (~95%) consisted of possible welding scale. The majority of metallic debris was identified as a carbon manganese steel								C1

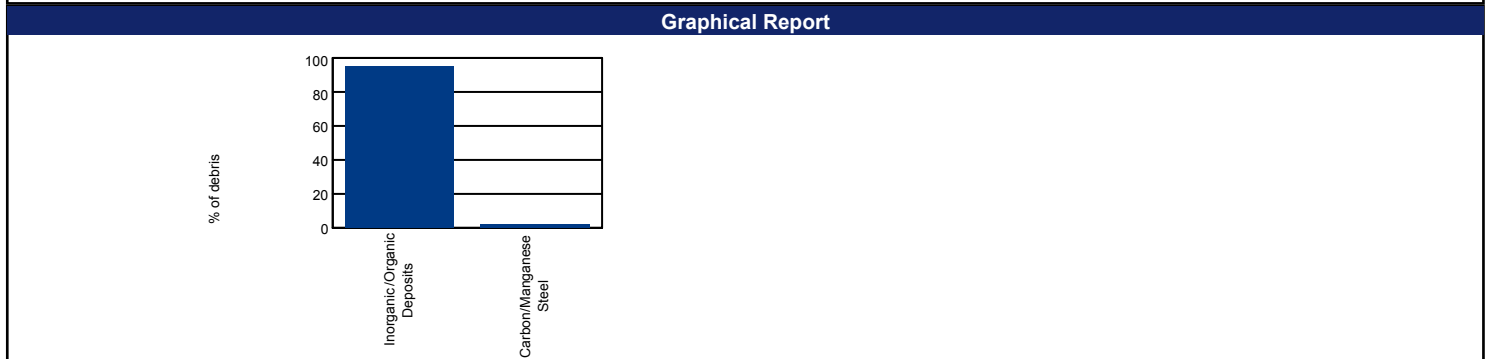
Debris Identification Report - FLM (114/170/174)

The sample was diluted with solvent, aggitated and the magnetic debris separated out. The results are as follows:

Majority Debris (~95%) - Inorganic/Organic Deposits - Hard black lusterous particles including spheres, probably welding scale.

Severel (~2%) - Very small to medium irregular shaped particles, the largest measuring ~ 353 x 55 µm. Analysis indicated a Carbon / Manganese steel similar to materials specification AMS5062 / AMS7225. *Possible source: Numerous locations .*

A few Nickel and AMS6260/5 (S82) particles were also detected within the sample.

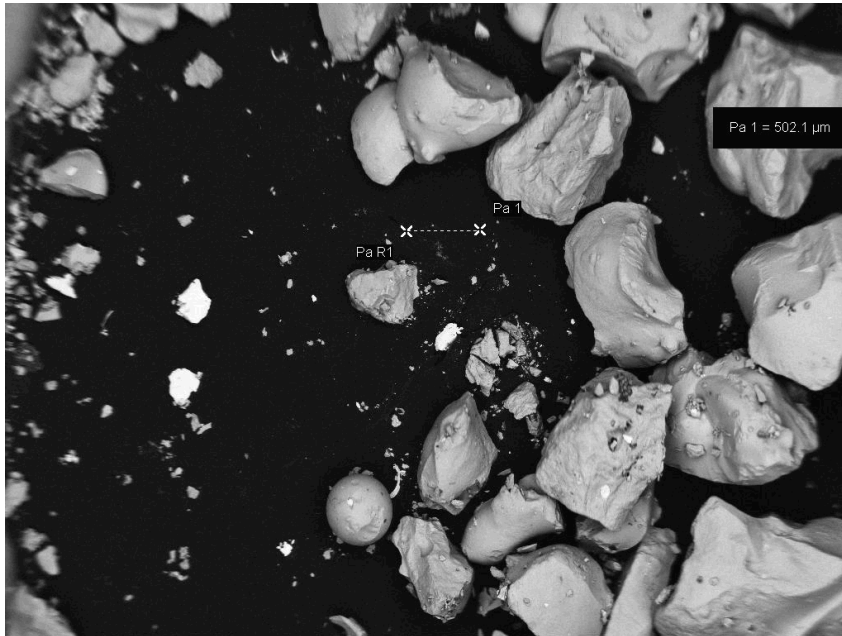


FAO:

Signed: *Ian A McKenzie*
Name: Ian McKenzie
 Senior Scientist
 For and on behalf of Intertek Farnborough
Date: 06/01/2014



Sample image



Sample No: 2013033279 - SEM image of debris

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Signed: *Ian A McKenzie*

Name: **Ian McKenzie**
Senior Scientist

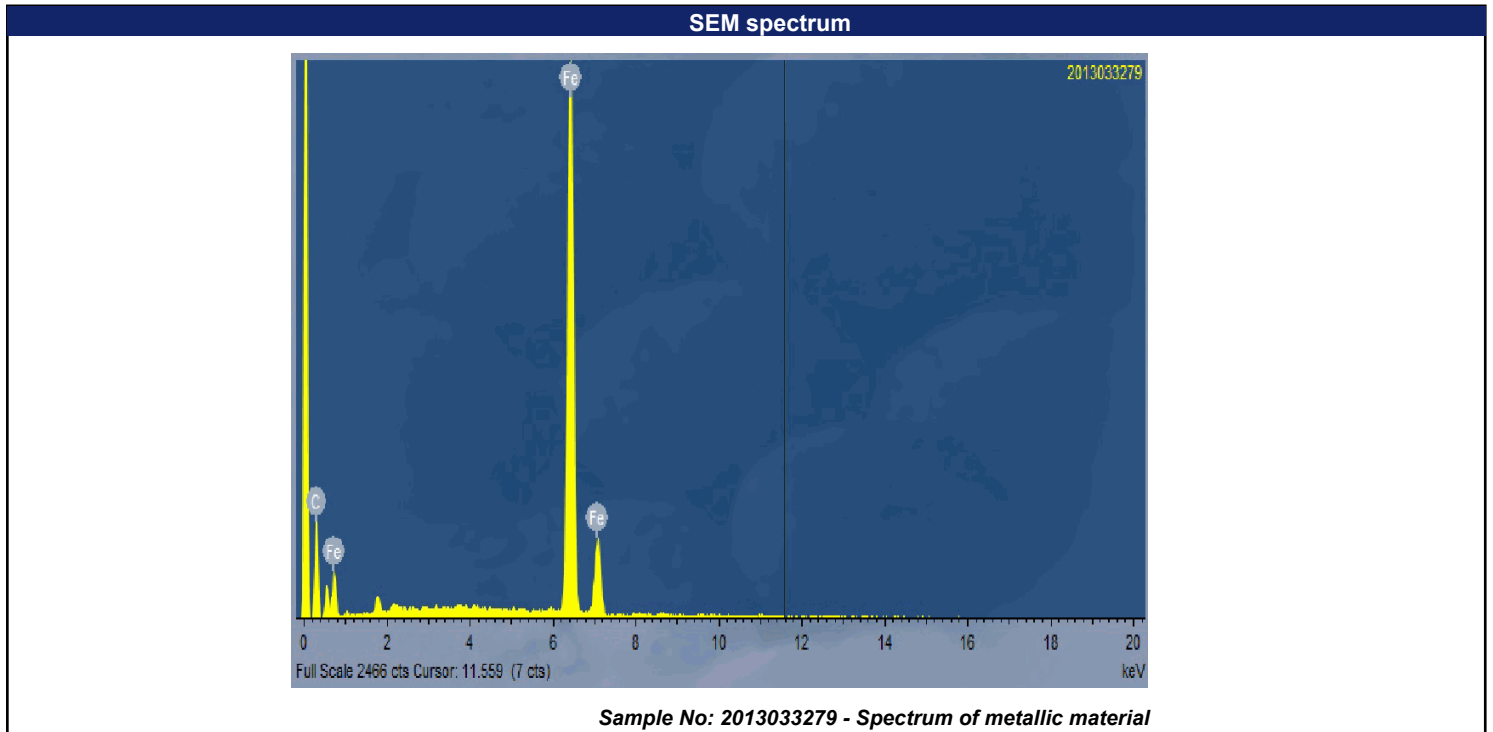
For and on behalf of Intertek Farnborough

Date: **06/01/2014**



The sample was examined optically and by Eagle EDXRF and/or SEM/EDXRF as appropriate. The sample may have been coated with gold/platinum during analysis. Samples analysed using Intertek FLC methods. Any opinions and interpretations are outside the scope of our UKAS accreditation.

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