



# AZMOL AVELUS

## Свойства :



Минерално масло

## Предимства:



НАДЕЖДНА ЗАЩИТА ОТ  
КОРОЗИЯ



НАДЕЖДНА ЗАЩИТА ОТ  
ИЗНОСВАНЕ

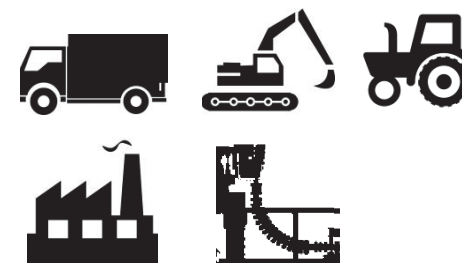


ВИСОК КЛАС НА ЧИСТОТА



ДОБРА ХИДРОЛОГИЧНА  
СТАБИЛНОСТ

## Приложение:



## Table of physical and chemical parameters on the basis of the British laboratory OCLS

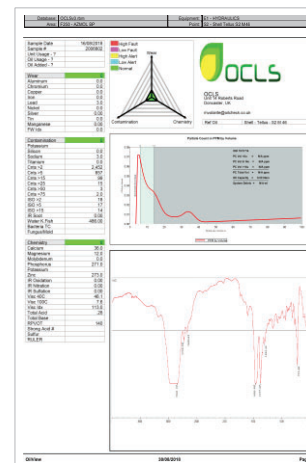
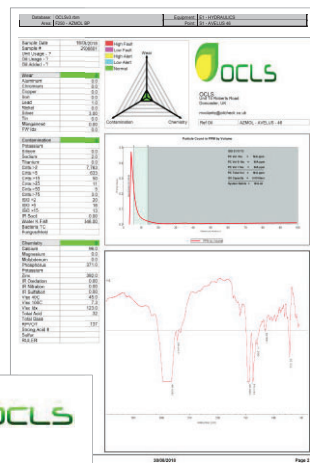
| Index name                                  |  <b>AZMOL<br/>AVELUS 46</b> |  <b>Shell Tellus<br/>S2 M 46</b> |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Viscosity, 40° C/Вискозитет, 40° C          | 45                                                                                                            | 46.1                                                                                                                |
| Viscosity, 100° C/Вискозитет, 100° C        | 7.3                                                                                                           | 7.6                                                                                                                 |
| Viscosity Index/Вискозитетен индекс         | 123                                                                                                           | 113                                                                                                                 |
| Particle ISO 4406 / Частици ISO 4406        | 20/16/13                                                                                                      | 18/17/14                                                                                                            |
| Cleanliness Class/Клас на чистота           | 11                                                                                                            | 11                                                                                                                  |
| Water ppm/Вода ppm                          | 346                                                                                                           | 486                                                                                                                 |
| Acid No. mg/KOH /Киселинно<br>число. mg/KOH | 0.32                                                                                                          | 0.28                                                                                                                |
| Oxidation FTIR/FTIR окисление               | 0.0                                                                                                           | 0.0                                                                                                                 |
| RPVOT ( MINUTES)/Рпвот (минути)             | 137                                                                                                           | 140                                                                                                                 |
| PQ/ FW                                      | 0                                                                                                             | 0                                                                                                                   |
| Additives ppm.,Zinc                         | 392                                                                                                           | 273                                                                                                                 |
| Phosphorus                                  | 371                                                                                                           | 271                                                                                                                 |
| Calcium                                     | 96                                                                                                            | 36                                                                                                                  |
| Magnesium                                   | 0                                                                                                             | 12                                                                                                                  |



## AZMOL AVELUS 46



## Shell Tellus S2 M 46



Oil Check Laboratory Services Ltd.  
Unit 14  
Roberts Road, Doncaster,  
South Yorkshire,  
DN4 0UT  
Laboratory: 01302 329609  
Mobile: 07773 030653  
Websites: <http://www.oil-analysis.org>

### Comparison of Lubricants Report

Comparative testing of hydraulic oils was performed in the laboratory of the OCLs: Azmol Avelus 46 and Shell Tellus S2 M46. The test results are attached on 2 pages.

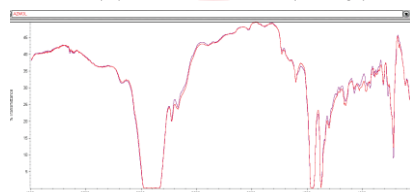
#### Visual Evaluation:

Avelus 46 - Clear Light Amber colour. Homogeneous, Neutral smell. Shell Tellus S2 M46 - Clear Light Amber colour. Homogeneous, Neutral smell.

#### In accordance with the test results, we can conclude:

Azmol Avelus 46 is a good equivalent and therefore analogous product, compared against Shell Tellus S2 M46 Additive levels provide performance and Oxidation resistance in equal measure. The quality base oil shows good high temperature operation, with a Viscosity Index comfortably exceeding the Shell standard.

The similar properties of oils are also confirmed by the TBN graph:



Avelus 46 is the red line in the spectra below, Tellus S2 M46 is the blue line

Date: 30/08/2018

Mike Volante

## Conclusion of the British laboratory OCLs

Azmol Avelus 46 is a good equivalent and therefore analogous product, compared against Shell Tellus S2 M46. Additive levels provide performance and Oxidation resistance in equal measure. The quality base oil shows good high temperature operation, with a Viscosity Index comfortably exceeding the Shell standard.