



OXYTANE REPORT

NAMOYA MINING SA TEST REPORT JUNE 2017

Abstract

Fuel additive called Oxytane. A USA product manufactured by AMJ Chemical Inc., 3152 Richford Palace Las Vegas, NV 89102 and tested in the UK at ITS Testing Service Limited in the UK carried out the test on the product reference to Laboratory Test No. 14-003477-0-WTHU dated 28th July 2014 in Oxytane UK LTD, 123 Gammon Lane, Watford, Herts and certified by UKAS Testing with Intertek approval. Result obtained 17.57% saving, amounting to UD\$100,000 per month.

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EXECUTIVE SUMMARY

Report for the Oxytane test conducted in Namoya in June 2017. The product is a USA product manufactured by **AMJ Chemical Inc., 3152 Richford Palace Las Vegas, NV 89102 and tested in the UK at ITS Testing Service Limited in the UK carried out the test on the product reference to Laboratory Test No. 14-003477-0-WTHU dated 28th July 2014 in Oxytane UK LTD, 123 Gammon Lane, Watford, Herts and certified by UKAS Testing.** The test was conducted in Namoya on seven (7) pieces of Equipment with an Average of 17.57% cost saving recorded. The product has Intertek International EN590 Certification and reported of having no adverse effect. Below is the detail report for your review and towards decision making.

BACKGROUND

As part of the cost containment initiative, senior management was asked by the board of directors in the latest board meeting to look for way to reduce cost of operation on fuel. As a result management decided to deploy fuel additives for test toward the objective.

A product call OXYTANE was identified and an expert was brought on board to perform the test to ascertain the validity and efficacy of the product.

This is a product from USA fuel system cleaner called Solvent Based Cleaner manufactured by **AMJ Chemical Inc, 3152 Richford Palace Las Vegas, NV 89102.** The major chemical composition being 2 Propanol – 40-50% and 2 Propanone - 40-50%.

HISTORY AND TRACK RECORDS ON OTHER MINES

Oxytane products has been tested in other mines mostly in West Africa, some of these Mines are tabled below with the various results. Refer to the products' testimonial for other details where the products is being used. In addition the product is gaining popularity in the Mining industry in West Africa when it comes to Fuel saving on Mining fleets and generators

NO	NAME OF THE MINE	COUNTRY	RESULT OBTAINED	RECOMMENDATION	Contact details
1	Wyoming Mining and Exploration LCC	Ghana	30%	Currently in Use	
2	AngloGold	Mali	Refer to product and Testimonial	Currently in Use	Mr Nankana +22366751576
3	Adamus Mining	Ghana	Refer to product and Testimonial	Currently in Use	Steve Ofori +233244210044
4	RSP Engineering	Ghana	30%	Currently in Use	Mr Oduro +233244809999
5	CATERPILLAR	Ghana	25%	Currently in Use	
6	Ghana Manganese	Ghana	25%	Currently in Use	Mr Apenteng 0541005217

COMMENCEMENT

The test commenced from 17th to 21st June 2017 and was led by the Fleet maintenance supervisors of Namoya and the equipment on which the test to be carried was selected by the team from the site. The exercise was completed successfully but with challenges. Some of these challenges were trucks that were due for servicing was used for the test hence could not complete the 5 continue days to have a concise data for the exercise. Notwithstanding, the data derived from the exercise looked very compact to make an informed decision.

THE TEST FLEET

The test was conducted the on the under listed equipment for the duration aforementioned.

1. AD 51 – Volvo A40 Dump truck
2. AD 54 – Volvo A40 Dump truck
3. AD 56 – Volvo A40 Dump truck
4. AD 57 – Volvo A40 Dump truck
5. EX 06 – CAT..... Excavator
6. DT 34 – CAT777 Dump truck
7. DT 37 – CAT777 Dump truck

ADVERSE EFFECT OF THE PRODUCT ON THE EQUIPMENT

The various mines where these products is being used have not officially reported any negative effect of the product on the equipment. Enclosed is the report of **EN590** an internationally accepted test conducted by **Intertek International** as a certification to product. The ITS Testing Service Limited in the UK carried out the test on the product reference to Laboratory Test No. 14-003477-0-WTHU dated 28th July 2014 in Oxytane UK LTD, 123 Gammon Lane, Watford, Herts and certified by UKAS Testing.

SUPPORTING DOCUMENTATION

The list below are the supporting documentations for the test conducted in Namoya and the product document.

1. MSDS – Material Safety Data Sheet
2. Mix Ratio for the Product
3. Chart Report from Namoya For Test Conducted
4. Cost Report Sheet
5. The Product Testimonials
6. EN590 Report from Intertek International for Laboratory test number 14-003477-0-WTHU

NO	DESCRIPTION	ATTACHMENTS
1	MSDS – Material Safety Data Sheet	 OXYTANE SDS -AMPS.pdf
2	Mix Ratio of the Product	 Mix Ratio.pdf
3	Report Charts from Namoya for test Conducted	 Final Chart.pdf
4	The Product and Testimonials	 OXYTANE PP 2.pdf
5	Cost Sheet for Namoya	 Costing Sheet.pdf

6	EN590 Report from Intertek International for Laboratory test number 14-003477-0-WTHU	 intertek report.pdf
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COST REPORTS

With the limited report conducted, it has been observed that the saving on the ADs is on the average of **17.04%** and on the CAT Equipment are about **18.11%** on the average. Therefore on the general average, the percentage of saving when the product is used is **17.57%**. Refer to the PDF on the cost detail sheet for your perusal.

CONCLUSION AND RECOMMENDATION

We would recommend that we use this product on some selected equipment for the period of six months and observe the results, when become satisfactory, we would then extend it to all our equipment. It is believed that continuous use of the Oxytane products will increase the amount of saving.

_____ **END OF REPORT** _____