



Shell Lubricants

METALS

Shell hydraulic oil leads to a significant decrease of unplanned shutdowns caused by the premature thermal breakdown of the oil

Total annual customer saving

US\$127,008

Company: Hulett's Aluminium
Country: South Africa
Application: Metals Hydraulic Press
Saving: US\$127,008 total annual customer saving
Key edge: Shell Tellus S 68

Based in South Africa, Hulett's is an international independent semi-fabricator of aluminum products. It manufactures a range of sheet, plate and foil alloys which it supplies to customers throughout the world.

The customer was experiencing frequent unplanned downtime resulting in the loss of production and impacting costs.

Shell Tellus S 68 was recommended as an alternative premium product due to its proven extended oil life and anti-wear protection components. As a result of this product change, the customer experienced a total annual saving of US\$127,008.

Metals#023

DESIGNED TO MEET CHALLENGES



1 The Challenge:

Using hydraulic products offered by other suppliers, the customer was experiencing unplanned downtime caused by the degradation of the lubricant. The press was overheating causing premature thermal breakdowns and product oxidation. Shell was approached for a solution.

2 The Solution:

After a very detailed analysis of the situation, the Shell Technical Team recommended Shell Tellus S 68 as a product solution. This zinc and chlorine free formulation met the performance criteria of this application and is approved by the OEM, Rexroth. Shell Tellus S 68 ensures exceptional performance in hydraulic fluid power transmission systems that are subjected to severe heavy-duty workloads.

3 The Outcome:

As a result of the Shell Technical Team assessment and applying the recommended use of Shell Tellus S 68, the customer experienced a number of operational benefits including:

- Maintenance of press operating temperatures
- Decrease in product consumption
- Increase in productivity through the continuous availability of the press
- Elimination of late deliveries to customers
- Meets customer requirement for a zinc and chlorine free lubricant

4 The Value:

For Hulett's Aluminium, the US\$52,920 in calculated savings over five months can be attributed to an increase in production time. This financial benefit is a direct result of the change to Shell Tellus S 68. Additional savings are also expected to follow in the areas of component replacement and lower product consumption costs.

The savings indicated are specific to the calculation date and mentioned site. These calculations may vary from site to site depending on application, operating conditions, current products being used, condition of the equipment and maintenance practices.

Shell Tellus Oils S

Zinc-free hydraulic oils for severe duty

Shell Tellus Oils S are premium, anti-wear hydraulic oils. Based on advanced 'zinc and chlorine free' technology, Shell Tellus Oils S are formulated to ensure exceptional performance in hydraulic fluid power transmission systems subjected to severe duty.

Performance features and benefits

- Outstanding oil life. Typically two to four times that of many anti-wear hydraulic oils
- Peace of mind through longer component life and trouble free operation
- Zinc and chlorine free formulations

Main applications

- Primary application in industrial, marine and mobile hydraulic and fluid power transmission systems.



Complementary products

Equipment	Lubricants
Hydraulic Systems	Shell Tellus, Shell Tellus S
Bearings	Shell Alvania EP (LF), Shell Albida EP
Back-up Roll Bearings	Shell Vitrea M, Shell Morlina, Shell Morlina SD
Work Roll Bearings and Coilers	Shell Omala, Shell Alvania WR, Shell Alvania EP (LF), Shell Albida EP, Shell Albida HD
Gear Couplings	Shell Alvania GL, Shell Alvania GC, Shell Malleus GL, Shell Albida GC,
Gear Systems	Shell Omala
Electrical Motor Oil System	Shell Turbo T



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