SHELL TELLUS S2 M 46* HELPS OMNI PLASTICS TO EXTEND ITS OIL-DRAIN INTERVAL BY 100%

TOTAL REPORTED ANNUAL CUSTOMER SAVING

US$60,000

COMPANY: Omni Plastics (Suzhou) Co. Ltd

COUNTRY: China

APPLICATION: Hydraulic systems

SAVING: US$60,000 total reported annual customer saving

KEY EDGE: Shell Tellus S2 M 46*

HYF00044

Omni Plastics (Suzhou) Co. Ltd in China specialises in injection moulding and assembly for the medical, automotive and consumer goods markets, and operates more than 100 injection-moulding machines. Omni Plastics was using a hydraulic fluid in its machines that had an oil-drain interval of one and a half years. However, the company experienced frequent filter blockages during production, and three vane pumps had been damaged, which caused unplanned down time.

Shell Lubricants recommended changing to the high-performance hydraulic oil Shell Tellus S2 M 46*, and using the Shell LubeAnalyst oil and equipment monitoring service and the Shell LubeCoach lubrication training programme.

By changing to Shell Tellus S2 M 46*, Omni Plastics has extended the oil-drain interval of its hydraulic systems to three years. This has enabled the company to make savings in lubricant consumption and labour and maintenance costs. Since changing lubricants and taking advantage of Shell's services, Omni Plastics has experienced no problems with blocked filters or damage to vane pumps, and has consequently enjoyed improved production efficiency. It is also able to improve its lubricant management through Shell LubeAnalyst and Shell LubeCoach. The company reports it is now enjoying annual cost savings totalling US$60,000.

*Shell Tellus S2 M 46 is the new name for the Shell lubricant formerly known as Shell Tellus 46

1 CHALLENGE

Injection-moulding company Omni Plastics (Suzhou) Co. Ltd was experiencing a relatively short oil-drain interval of one and a half years for its hydraulic systems. The company also had frequent blocked filters and had found damage to three vane pumps.

2 SOLUTION

Shell technical experts recommended changing to Shell Tellus S2 M 46* high-performance hydraulic oil, and using the Shell LubeAnalyst oil and equipment monitoring service and the Shell LubeCoach lubrication training programme.

3 OUTCOME

By changing to Shell Tellus S2 M 46*, Omni Plastics has

- extended the oil-drain interval of its hydraulic systems to three years
- achieved savings in lubricant consumption and labour and maintenance costs
- prevented problems with blocked filters and damage to vane pumps.

4 VALUE

By using Shell Tellus S2 M 46* and the Shell LubeAnalyst and Shell LubeCoach services, Omni Plastics is now enjoying reported annual cost savings totalling US$60,000.[1] The company also has improved production efficiency and lubricant management.

[1] 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 S2 M

INDUSTRIAL HYDRAULIC FLUID

Shell Tellus S2 M fluids are high-performance hydraulic fluids that use Shell's unique patented technology to provide outstanding protection and performance in most manufacturing and many mobile equipment operations. They resist breakdown under heat or mechanical stress and help prevent damaging deposit formation that can decrease the efficiency of your hydraulic power system.

Applications

Shell Tellus S2 M oils are specifically designed for

- industrial hydraulic systems
- mobile hydraulic-fluid power-transmission systems
- marine hydraulic systems.

Performance features and benefits

- Long fluid life. Shell Tellus S2 M fluids help extend equipment maintenance intervals by resisting thermal and chemical breakdown. This minimises sludge formation and provides excellent performance. Shell Tellus S2 M fluids also have good stability in the presence of moisture, which promotes long fluid life and reduces the risk of corrosion and rusting, particularly in moist or humid environments.
- Outstanding wear protection. Proven zinc-based anti-wear additives are incorporated to be effective throughout the range of operating conditions, including low-load and severe-duty high-load conditions.
- Maintaining system efficiency. Superior cleanliness, excellent filterability and high performance water separation, air release and anti-foam characteristics help contribute to maintaining or enhancing the efficiency of hydraulic systems. Shell Tellus S2 M fluids are formulated for fast air release without excessive foaming to help efficient hydraulic power transfer and minimise fluid and equipment impacts of cavitation-induced oxidation that can shorten fluid life.

Specifications and approvals

Shell Tellus S2 M meets the requirements of a wide range of industry bodies and equipment manufacturers, including Denison Hydraulics (HF-0, HF-1, HF-2); Cincinnati Machine P-68 (ISO 32), P-70 (ISO 46), P-69 (ISO 68); Eaton Vickers M-2950 S and I-286 S; Bosch Rexroth RE 90220-01/09.09; ISO 11158 (HM fluids); AFNOR NF-E 48-603; ASTM 6158-05 (HM fluids); DIN 51524 Part 2 HLP type; Swedish Standard SS 15 54 34 AM.

Complementary products	
Equipment	**Lubricants**
Gearboxes	Shell Omala
Compressors	Shell Corena
Bearings	Shell Gadus

"Shell Lubricants" refers to the various Shell companies engaged in the lubricants business.