

Machinery Application



WINSONDA OIL FILTRATION SOLUTIONS

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Site: winsonda.com Mail: sales@winsonda.com

CUSTOMER

Rexroth (Beijing), A Bosch Company in China

Units Basic Info

- Units: Test bench
- Reservoir: 500L
- Oil type: Hydraulic oil

PROBLEM

Customer met the problem of hydraulic oil contamination as their internal oil test indicated Grade 12 against NAS 1638 standard. The presence of fine particles in hydraulic system would create abrasion inside hydraulic components which will led to oil degradation and cause system failure.

SOLUTION

In July 2014 WJL-100 filtration unit was installed to oil sump with a flow rate 6600L/hour. Particles pass flow dual charging zone and carry negative/positive charges respectively, two types charged particle interact with each other and combine to form the bigger sizes which can be captured by standard filters easily.

RESULT

After filtration, the oil analysis showed that cleanliness has been improved to Grade 7 against NAS1638 standard. Customer satisfied with the result and placed 9 sets more for equipped with their production line.

Rexroth Bosch Group



用户使用推荐书 User Recommendation

单位名称 Company	博世力士乐(北京)液压有限公司 Bosch Rexroth (Beijing) Hydraulic Co., Ltd.		
单位地址 Address	北京经济开发区永昌南路6号 No.6 South Yongchang Road, Beijing Economic-Technological Development Area,		
联系人信息 Contact	联系人 Name	[REDACTED]	电话 Tel
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用户 使用 情况 转 User feedback	<p>经验证,使用威胜达平衡电荷式滤油机后,污染度达到我司管控要求,油液清洁度达到NAS 9级以下(经优化系统油液可达到NAS 7)。并通过使用发现对于油液中的细小颗粒物也能起到过滤效果。现已购买2台WJL-100平衡电荷式滤油机,后续将与威胜达继续开展技术交流。</p> <p>After verification, WSD electrostatic filter can reach our requirement NAS 9.(After improvement the oil of hydraulic system can reach NAS7). We found that the device can also filter the small particles. Now we have purchased 2 pcs of WJL-100. We cooperate well and will keep communication.</p> <p>此申明仅适用于北京工厂泵马达液压试验台,且仅用于设备推荐,不做最终设备效果验收评定依据,最终解释权归博世力士乐北京工厂泵马达生产质量部。</p> <p>Used for PkP/PM Testbench Only, used for device recommendation only, not used for device final acceptance. PkP/MOE-Q-PM is responsible for explanation of this recommendation.</p>		
用户盖章 Chop:			
	日期 Date: 2014.7.16		

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CUSTOMER

SANY, the world leading manufacturer of construction and mining equipment, port machinery, oil drilling machinery, and renewable wind energy systems.

Units Basic Info

- Units: Excavator
- Oil type: Hydraulic oil (New Oil)

PROBLEM

The condition of hydraulic fluid can greatly affect the power transmission of hydraulic machinery. Customers were looking for solutions to improve the cleanliness of their equipment's hydraulic system, ensuring that each unit is cleaned before it leaves the factory.

SOLUTION

WJL(Dual charging agglomeration unit) was applied to new machines. On the one hand, WJL can fill hydraulic fluid into machinery instead of labour; on the other hand, WJL Can Continuous filter the fine particles out from new hydraulic system. Also, WJL was equipped with a particle counter to monitor the particle contaminants which ease the oil analysis procedure.

RESULT

With the support of WJL in production, SANY makes each excavators hydraulic system clean with a Grade 6 against NAS1688 which greatly increase the production efficiency.



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