

COMPRESSOR TREATMENT REPORT · 27 JUNE 2007

KT6-U2 compressor: faster pressure build-up, oil stays in the system

West Siberian Regional Centre "Permskie Mashzavody", Kungur branch · branch director M. A. Spirin ·
mechanic V. N. Semerikov · machine repair fitters I. E. Yashin, V. V. Razdyakonov

Russia · observation period 25.04–27.06.2007 · report dated 27.06.2007, signatures and stamps

PRODUCT

XADO revitalizant gel
for compressors and bearings ·
instructions for use No. IE
24.6-2562000-005-2004

TREATED UNIT

KT6-U2 compressor
unit in regular service · no
disassembly of components

DOCUMENT TYPE

Compressor treatment
report
with annex
approved by the branch
director and the XADO concern

EQUIPMENT**CONDITION AT THE START OF THE TRIAL****WHAT WAS MEASURED**

KT6-U2 compressor

Increased noise in operation; oil escaped
into the receiver; working pressure was
reached in **2 min 28 s**

Time to reach working pressure,
oil loss into the receiver

The treatment was carried out on the running unit, without disassembly: 3 doses at 8-hour intervals plus 2 more doses after 100 hours of operation.

Key results

↑ **31 %**

compressor output, working pressure reached in 2 min
28 s → 1 min 53 s

↓ **5x**

oil loss into the receiver, 1 l → 200 ml per shift

KT6-U2 compressor — measurements before and after treatment

PARAMETER	BEFORE TREATMENT · 25.04.2007	AFTER TREATMENT · 27.06.2007
Time to reach working pressure	2 min 28 s	1 min 53 s
Oil loss into the receiver	1 l per shift	200 ml per shift

The report states the pressure result as a **24 %** gain in output — measured by the reduction in time; converted to output this is **31 %**.

Committee conclusion

Before the treatment the committee recorded a worn unit: increased noise in operation, oil escaping into the receiver, working pressure reached in **2 min 28 s**. The revitalizant gel was introduced with the compressor running, without disassembly of components. After two months of operation the pressure was reached in **1 min 53 s**, and oil loss into the receiver fell from **1 l** to **200 ml** per shift. The committee of the Kungur branch of WSRC "Permskie Mashzavody" and the representative of the XADO concern recorded in the report: "The compressor treatment demonstrated the high effectiveness of XADO products. In order to extend the compressor service life, further improve its parameters and save lubricants and electric power, it is advisable to use XADO compressor oil".

XADO

© XADO. All rights reserved.

The results relate to the KT6-U2 compressor of the Kungur branch of WSRC "Permskie Mashzavody" and to its operating conditions; on other units and duty cycles the figures may differ. The treatment was performed by a representative of the XADO concern. The original report dated 27.06.2007 with signatures and stamps is published in full and available for download.