

Proof of Performance
Steel Industry

PETRONAS Hydraulic HV has been successfully tested on SCHMiD HSR presses

14 August 2019



JotaeMe Fitafer • Steel • Latam • PETRONAS Hydraulic HV



Company overview

JOTAEME FITAFER was founded in 1958 with 100% Brazilian capital and it is located in Franco da Rocha/SP, covering 32,000 m² of constructed area. They are one of the main suppliers for many segments of the steel industry. Their business focus is on steel rerolling and stamping production of parts.

Challenge

The customer requested a lubricant which should have met the best operational capacity and performance for the SCHMiD HSR presses (up to 630 tons), with less maintenance intervention on pumps during the production, thereby, increasing their reliability. There are 8 SCHMiD HSR presses in production: 6 of 320 tons and 2 of 630 tons. For this application, the hydraulic oil should have had a high viscosity index with the BOSCH approval.

Solution

The PETRONAS Hydraulic HV 46 was proposed to the customer in order to replace the existing oil, meeting the requirements of being a premium product, with high viscosity index and having Bosch Rexroth RD 90220 approval. The customer required monitoring of the lubricant analysis on the machine 588's reservoir, which is the most critical application. The test was performed by our PETRONAS' laboratory. Moreover, other analyses were performed in an outsourced laboratory.

Results

After 1 year of operation in all SCHMiD HSR presses the customer had no intervention regarding maintenance of the hydraulic systems. The positive analytic result of the oil demonstrated very good performance and reduced maintenance costs and less production down time.

**“The PETRONAS
Hydraulic HV 46
met the
demanded
expectations
during 1 year of
use”**

To discuss how PETRONAS can help your business, please contact

Murilo Duarte de Melo
Advisor, Technical Assistance
murilo.melo@pli-petronas.com

pli-petronas.com