

---

# KYB TECHNICAL REVIEW

No. 55 OCT. 2017

## CONTENTS

### Foreword

Quality over Quantity	OYAMA Osamu	1
-----------------------	-------------	---

### Essay

Report on Residence at KTS	NAGAE Tatsuhiko	2
Experience of ACTIVE Training (England, Spain)	OHMORI Yusuke	6

### Technology Explanation

Analytical Technology for Axial Piston Pumps and Motors	SATO Naoto	10
Surface Treatment of Aluminium Alloy for Tribological Applications	NAKASE Takuya SAKURAGI Kenji	18

### Product Introduction

Development of Externally-Mounted Shock Absorber with Adjustable Solenoid Damping Force	KAMAKURA Ryosuke FURUTA Yusuke MORI Toshihiro TOMITA Kohei	25
---	---	----

### Glossary

"Semi-active Suspension"	ITO Naoki	31
--------------------------	-----------	----

### Product Introduction

Hydraulic Pump and Track Motor for Hydrostatic Transmission	INADA Takanori MIURA Takuya MATSUZAKA Keita	33
Development of Control Valve for Wood-Splitting Machine	ISHIJI Rei	39
Variable Damping Type Oil Damper	SAKAKIBARA Kento	43

### Technology Introduction

Development of Equipment for Evaluating Automotive Vane Pumps	TSURI Takuya FUJII Toshihiko KODERA Yasuhiro	48
Standardization of Windows PC System for Inspection	OGISO Shigetoshi	53

### Introduction

Company-Wide Standardization Activities Regarding ISO 26262 at KYB	KOZUMA Fumihide	57
Reduction of Industrial Waste with Chemical Reactions - Waste from Paint Could be Reduced -	HAYAKAWA Yoshitaka	62
Participating in an IIP Intellectual Property School	INOUE Teruhiko	67

### Editors Script

(Cover Photograph: Externally-Mounted Shock Absorber with Adjustable Solenoid Damping Force [see p.25], Hydraulic Pump and Track Motor for Hydrostatic Transmission [see p.34], Control Valve for Wood-Splitting Machine [see p.41]).