

Jl. Raya Narogong KM 19 Cileungsi - Bogor 16820 West Java - INDONESIA

Phone: +62-21-8233361 (Hunting)

Fax: +62-21-8233360

Ref No.: 044/TC-QUO/IV/17 Jakarta, April 10, 2017

PT SAPTAINDRA SEJATI JI. TB Simatupang Kav. 18 Cilandak Barat, Jakarta Selatan, 12430 Tlp. 021-7693378

Attn.: Mrs. Dian Sari

Subject: Training Quotation

Dear Mrs. Dian,

Thank you for your inquiry concerning our training program.

Refer to your email on March 24, 2017 we would like to submit our proposal for your kind consideration.

3516 GENSET Product Training Course Name: Location: PT. Saptandra Sejati - Jobsite ADMO

Duration: 5 days

May 15 - 19, 2017 Date:

Course Fee: Rp.5.500.000,-/person

(Including training material, stationary)

Transportation: Rp.5.000.000,-

(Transportation & Accommodation of Instructor during training)

Participant: 6 participants (minimum), 12 participants (maximum)

Note: All prices above are excluding 10%VAT

LEARNING OUTCOME

(Attached)

SAFETY

Participants are requested to bring their own overall and safety shoes and put on when attending the training. Please note that wearing of shorts is not permitted while attending the training. Safety glasses, safety helmet and ear protection required when working in the workshop/lab on machinery will be provided by PT. Saptaindra Sejati

MEALS, ACCOMMODATION & TRANSPORTATION

PT. Saptaindra Sejati shall provide meals, accommodation & transportation for instructor during training.



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TRAINING FACILITY

PT. Saptaindra Sejati shall provide Training Room equipped with PC Projector, unit (machine or engine) and hand tools or other tools required for practical session.

ACCEPTANCE OF BOOKING

Once you have completed the booking details and submitted this form to PT Trakindo Utama Training Center as a firm booking, you shall receive confirmation from it that your booking has been received. A contract however is only formed at the point at which PT Trakindo Utama Training Center informs you of the acceptance of your booking.

CANCELLATION/TRANSFER/SUBSITUTIONS POLICY

No cancellation charge shall apply if PT Trakindo Utama Training Center notices of the cancellation of your booking more than two weeks before the first day of the course. Once the class is confirmed, no cancellation allowed. In the event of no-show, full course fee will be charged. PT Trakindo Utama Training Center reserves the right to cancel or postpone any class. Any transfer is subject on case-by-case basis.

This quotation valid until April 28th, 2017

CUSTOMER INFORMATION

The invoice should be submitted to below address);
Customer Name:	
NPWP:	
Customer PIC:	(Finance Staff
Phone No:	
Address:	
Specific condition to submit invoice (if any):	



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PAYMENT TERMS

Once the booking has been confirmed by PT Trakindo Utama Training Center, invoice will be raised. The course fees must be received by PT Trakindo Utama Training Center within 30 days of the date of invoice (for Credit Customer) or before the commencement date of the course (for Cash Customer). PT Trakindo Utama Training Center reserves the right to refuse admission to or provision of the course if payment has not been received in full.

Payment should be transferred to:

PT TRAKINDO UTAMA
CITIBANK N.A — CITIBANKTOWER
Jln. Jend. Soedirman Kav. 54-55 Jakarta — INDONESIA
Account No.: 0 — 105472 — 048 (IDR)

OR

PT TRAKINDO UTAMA BANK MANDIRI JI Cilandak KKO, Jakarta Selatan - INDONESIA Account No.: 127-00010216-31 (IDR)

Please advise your acceptance of the above details by signing below and returning it to us by fax or email, not later than *April 28th*, *2017*.

We thank you again for your support & look forward to welcoming the participants to PT Trakindo Utama Training Center. Please do not hesitate contact us for require any further assistance.

We look forward and appreciate for your kind attention.

Signed & Accepted by:	PT TRAKINDO UTAMA
	- 11
	Iwan Pramono
	Customer Training



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COURSE DESCRIPTION

COURSE TITLE

3516 GenSet - Product Training

COURSE NUMBER

TARGET AUDIENCE

People who operated & maintain Caterpillar Generator Set

PREREQUISITES

None

COURSE DURATION

5 Days

COURSE OUTLINE

This course provides an in-depth study and hands-on activity in maintaining and repairing (basic) current production 3516 Caterpillar Diesel Engine. To become qualified, the participants will successfully perform key tasks selected from topics presented in the course.

OBJECTIVE

LEARNING OUTCOMES

Upon completion of this course, participants should be able to have a better under-standing of Caterpillar Generator Set Operation & Maintenance and will be able to perform the following tasks:

Basic Diesel Engine

- Identify major engine components
- Explain diesel engine four stroke concept
- Explain engine terminology

3516 Diesel Engine

- Describe air induction & exhaust system
- Describe lubrication system operation
- Describe cooling system operation
- Describe fuel system operation
- Describe maintenance section procedure by using OMM
- Identify major 3516 engine components



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Basic Power Generation

- Describe Caterpillar Genset
- Explain generator set system operation
- Explain generator set component
- Identify generator set component

Generator

- Explain generator set configuration structure, application and rating
- Interpreting AC electrical schematic
- Perform tracing AC electrical schematic
- Explain load character
- Perform power calculation

Voltage Regulator

- Explain voltage regulator operation
- Explain volt per hertz regulation

Monitoring

- Explain generator monitoring
- Explain latest generator monitoring (EMCP)
- Perform accessing genset monitoring
- Explain safety device verification
- Perform safety device verification

Genset Operation and Maintenance

- Explain delivery service
- Explain Single Operation Procedure
- Perform Generator Load test
- Explain Generator Cleaning Procedure
- Explain Generator Insulation test



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PROGRAM AGENDA

DAY 1

- Introduction & Registration
- Pre test
- Literature and resource identification
- Principle of 4-Stroke Diesel Engine
- 3516 Diesel Engine Component

DAY 2

- Engine System (cont)
- Lab:
 - ✓ Identify major 3516 engine components
- Basic Generator

DAY 3

- Basic Generator (cont)
 - ✓ Identify 3516 generator set component
- Lab:
 - ✓ Perform power calculation
- Voltage regulator
- Lab:
 - ✓ Perform AVR testing adjusting, wiring, and simple troubleshooting

DAY 4

- Genset Monitoring
- Lab:
 - ✓ Accessing Control Panel (EMCP)
 - ✓ Safety Device Verification
 - ✓ Simple troubleshooting

DAY 5

- Genset Operation and Maintenance
- Lab:
 - ✓ Perform Genset single operation
 - ✓ Loading
- Training Review
- Post-test
- Closing

NOTES

This Course Description is subject to change due to product design changes and individual attendee needs and experience