

SOUTHWEST RESEARCH INSTITUTE®

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FUELS AND LUBRICANTS RESEARCH DIVISION ISO 9001 CERTIFIED QMS
ISO 14001 CERTIFIED EMS

QUOTE FOR STANDARDIZED TESTING

TO: Dan Horton	FROM: Larry Hollingsworth, 210.522.5711
COMPANY:	DATE: November 15, 2023
PHONE NUMBER: 334-315-7160	TOTAL NO. OF PAGES INCL. COVER: 2
E-MAIL: danhorton@elmore.rr.com	QUOTE# ALQ-3466

NOTES/COMMENTS:

Please find attached the quote for testing that you requested.

A purchase order is required to initiate testing or prepayment by EFT/credit card is also acceptable. Prepayment is required for all international clients; if applicable, wiring instructions are attached. Upon receipt of a purchase order/prepayment and test articles, we will provide an estimated time to completion.

Please send samples, with a GHS-compliant Safety Data Sheet (SDS), to the following address:

Attn: Kristi Rutta
Fuels & Lubricants Technology Dept., Bldg. 99
Southwest Research Institute
9503 W. Commerce
San Antonio, TX 78227-1301

Test article retention policy: All test articles will be retained for a period of one (1) month following completion of testing after which they will be disposed of properly. Upon request, SwRI can ship test articles back at customer's expense.

If you have any questions regarding this quote, please do not hesitate to contact me. I can also be reached via e-mail at larry.hollingsworth@swir.org.

Prepared by:



Larry Hollingsworth, Manager R&D
Fuel Systems & Contamination Research
Fuels & Lubricants Technology Department

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Benefiting government, industry and the public through innovative science and technology

SwRI is providing this quotation to perform oil filtration testing for aircraft engines. A new Champion model 48108 and new K&P screen filter are to be provided to SwRI for testing. A single filter per filter type is assumed in the quote. If additional quantities are desired, the unit cost shown would apply to each filter tested.

Test	Method	Cost ea. (US\$)	Qty.	Total Cost (US\$)
Multi-pass Efficiency and Capacity Test, Champion 48108 Filter	ISO 4548-12	1,510.00	1	1,510.00
Multi-pass Efficiency and Capacity Test, K&P Screen Filter*	ISO 4548-12	755.00	1	755.00
Total				2,265.00

*Price quoted only applies to this specific filter and is being offered under special consideration.

Proposed Test Conditions

ISO 4548-12 - Multi-pass Efficiency and Capacity Testing

- Flow Rate: 6.0 gpm
- Beginning Upstream Gravimetric Contamination Level (BUGL): 10 mg/L
- Contaminant: ISO 12103-1 A3 Medium
- Terminal Differential Pressure: 10 psid
 - Please note that all multi-pass testing will be reported in $\mu\text{m(c)}$ only.
 - Any deviation from the proposed test conditions will be considered but may change the cost of testing.

New test articles will need to be provided to SwRI. Return shipment of tested filters can be provided at an additional cost.