



**Committee D-2
Proficiency
Testing Program**

**In-Service Diesel Oil
Sample ID: ISDO1311
November 2013**

Issued by:

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Alphabetical Listing of Laboratories
Participating in ISDO1311 In Service Diesel Oil
ASTM Interlaboratory Crosscheck Program
(Alphabetical list does not correspond to
randomly selected lab codes published in the report)

ALS CZECH REPUBLIC PRAGUE, CZECH REPUBLIC 19000	CASHMAN EQUIPMENT SPARKS, NV 89431	INA INDUSTRIJA NAFTE, OLD ZOGR ZAGREB, CROATIA 10002
ALS TRIBOLOGY BURLINGTON, ON CANADA L7L 1A1	CHEVRON ORONITE TECHNOLOGY (COT-N) VONDELINGENPLAAT RT, NETHERLANDS 3196KD	INSPECTORATE INTERNATIONAL LTD TECHNOPARK DUBAI, UNITED ARAB EMIRATES 49400
ALS TRIBOLOGY ATLANTA, GA 303403907	CLARK LABORATORIES LLC BUILDING 9 JEFFERSON HILLS, PA 15025	INTERTEK ROMEDEVILLE, IL 60446
ALS TRIBOLOGY PHOENIX, AZ 85017	COMPANIA DE PETROLEOS DE CHILE CAMINO COSTERO 1111 LONCURA, QUINTERO CHILE	INTERTEK AUTOMOTIVE RESEARCH ATTN. CHEMISTRY LAB SCHEDULING SAN ANTONIO, TX 782381911
ALS TRIBOLOGY KANSAS CITY, KS 66115	CONSOL ENERGY RESEARCH & DEVELOPMENT SOUTH PARK, PA 15129	INTERTEK FARNBOROUGH ROOM 1068, BLDG. A7 FARNBOROUGH, UNITED KINGDOM GA14 0LX
ALS TRIBOLOGY PORTLAND, OR 97210	CONSTELLATION POWER SOURCE BALTIMORE, MD 21201	INTERTEK 26-A, CHANDIVALI FARM ROAD, OFF. SAKI VIHAR ROAD, MUMBAI, INDIA 400 072
ALS TRIBOLOGY SUITE 104 SPARKS, NV 89431	DEFENSE LABORATORIES (DLD) VILVOORDE PEUTIE, BELGIUM 1800	INTERTEK EXPLORATION DRIVE, ABERDEEN SCIENCE AND ENERGY PARK ABERDEEN, UNITED KINGDOM AB23 8HZ
AFTON CHEMICAL CORP RICHMOND, VA 23219	DEXSIL CORP HAMDEN, CT 06517	INTERTEK INDUSTRIAL AREA SECTOR 6 SHARJAH, UNITED ARAB EMIRATES
ALCONTROL (ROBERTSON) LABORATORIES CONWY, UNITED KINGDOM LL328FA	DICTUC S A ANTOFAGASTA, CHILE	INTERTEK SAN MIGUEL LIMA, PERU 32
ALFRED H KNIGHT ZAMBIA LTD OPP NKANA TENNIS CLUB, NK WEST PO BOX 20303, KITWE, COPPERBLT, ZAMBIA	ENI IBERIA BARCELONA, SPAIN 08820 GAVA	INTERTEK SINGAPORE TECHNICAL CENTER SINGAPORE, SINGAPORE 628208
AMEREN UE ST. LOUIS, MO 63101	ESKOM ENTERPRISES (PTY) LTD BLOCK B - OIL LAB CLEVELAND, SOUTH AFRICA ROSHERVILLE	KC SIGNUM OIL ANALYSIS LAB KANSAS CITY, KS 66115
ANA LABS INC BELLMAWR, NJ 08031	EXXONMOBIL (CHINA) INVESTMENT CO LTD MINHANG DISTRICT SHANGHAI, CHINA 200241	KINECTRICS INC. UNIT 2 TORONTO, CANADA M8Z-6C4
ANTON PAAR GMBH GRAZ, AUSTRIA 8054	EXXONMOBIL DE COLOMBIA CRA 50 #21-05 BOGOTA, COLOMBIA	LABORATOIRE DU S.E.A. BP 20141 MARSEILLE, FRANCE 13014
APL GMBH LANDAU, GERMANY 76829	FOCUS LAB LTD 9TH FLOOR, THOSAPOL LAND 4 BLDG. BANGKOK, THAILAND 10260	LUBRIZOL ADDITIVE (ZHUHAI) CO, LTD CAOTANG CRESCENT JINWAN DISTRICT ZHUHAI, CHINA 519041
BP PETROLLERI A S GEMLIK BURSA 16600, TURKEY	FUNDACION TEKNIKER EIBAR, SPAIN 20600	
BUFETE DE MANTENIMIENTO PREDIC CD. DEL CARMEN, MEXICO 24169	I C T OIL LABS LTD KFAR-SABA, ISRAEL 44425	

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CHATTANOOGA, TN 37415

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RT 49 NO 96
BALIKPAPAN KAL-TIM, INDONESIA 62

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EDMONTON, AB CANADA T6B 2R4

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TRIBOCARE FC
SAIF ZONE
SHARJAH, UNITED ARAB EMIRATES 122405

U.S. ARMY ABERDEEN TEST CENTER
BLDG 358
ABERDEEN PROVING GROUND, MD 21005-5059

US ARMY GARRISON-MICHIGAN
RD TA-DP MS 21
WARREN, MI 48397

VHG LABS
MANCHESTER, NH 03103

WEARCHECK AFRICA
WESTMEAD
DURBAN, SOUTH AFRICA 3608

YPF SA
SERVICIO TECNICO LUBRICANTES
BARADERO 777, ENSENADA, ARGENTINA
CP1925

JEFFERSONVILLE, IN 47130

EDMONTON, AB CANADA T5S 1K1

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ASTM Committee D-2 Interlaboratory Crosscheck Program
 In-Service Oil Monitoring - November 2013 (ISDO1311)

Metodo	Parametro	U.M.	Mecoil	Media RRT	Dev.St. RRT	z-score*
ASTM D664	TAN	mg KOH/g	2,63	3,85	0,77	-1,6
ASTM D2896(B)	TBN	mg KOH/g	5,2	5,9	0,9	-0,8
ASTM D3828(B)	Flash Point	°C	200	200	10	0,0
FDM	Fuel dilution	mg/kg	0,0	0,0	0,1	-0,4
ASTM D6595	Alluminio	mg/kg	5,6	4,4	0,8	1,6
ASTM D6595	Argento	mg/kg	0,0	0,0	0,0	0,0
ASTM D6595	Bario	mg/kg	0,0	0,0	0,0	0,0
ASTM D6595	Boro	mg/kg	16	17	3,5	-0,4
ASTM D6595	Calcio	mg/kg	1788	1703	282,0	0,3
ASTM D6595	Cromo	mg/kg	0,5	0,4	0,3	0,3
ASTM D6595	Ferro	mg/kg	16	12	3,2	1,2
ASTM D6595	Fosforo	mg/kg	1072	1061	90,5	0,1
ASTM D6595	Magnesio	mg/kg	229	256	60,7	-0,4
ASTM D6595	Manganese	mg/kg	0,5	0,58	0,4	-0,2
ASTM D6595	Molibdeno	mg/kg	4	2	1,3	1,4
ASTM D6595	Nichel	mg/kg	0,1	0,7	0,5	-1,1
ASTM D6595	Piombo	mg/kg	3,8	4,0	1,4	-0,1
ASTM D6595	Potassio	mg/kg	23,5	26,7	6,1	-0,5
ASTM D6595	Rame	mg/kg	8,5	7,9	1,2	0,5
ASTM D6595	Silicio	mg/kg	5,6	5,0	3,4	0,2
ASTM D6595	Sodio	mg/kg	46,5	51,7	8,6	-0,6
ASTM D6595	Stagno	mg/kg	0,0	0,0	0,1	0,0
ASTM D6595	Titanio	mg/kg	132,0	115,9	14,7	0,0
ASTM D6595	Vanadio	mg/kg	0,0	0,3	0,4	0,0
ASTM D6595	Zinco	mg/kg	1337	1219	81,8	1,4
FTIR	Nitrazione	Abs/0.1mm	16,70	10,27	3,57	1,8
FTIR	Ossidazione	Abs/0.1mm	15,00	13,18	6,81	0,3
FTIR	Solfatazione	Abs/0.1mm	18,00	18,70	13,36	-0,1
FTIR	Soot	% peso	1,0	0,8	0,4	0,7
FTIR	Antiusura	% peso	16,7	12,5	8,4	0,5
ASTM D445	Visc. 100°C	cSt	14,3	14,1	0,1	1,8
ASTM D445	Visc. 40°C	cSt	104,4	0,1	0,5	1,1
ASTM D7042	Visc. 100°C	cSt	14,2	14,2	0,1	0,6
ASTM D7042	Visc. 40°C	cSt	104,7	103,6	0,8	1,4
ASTM D6304(C)	Acqua, KF	% peso	0,02	0,027	0,01	-0,7

Firenze, 24 febbraio 2014

Dott. Alessandro Paccagnini
 Responsabile Laboratorio
 Mecoil Diagnosi Meccaniche Srl

* "The z-score column reports each lab's deviation in units of standard deviations. The z-score is the ratio of the deviation to the standard deviation. A z-score greater than 2 - or less than negative 2 - should cause a laboratory to review their test data for any possible systematic error. Z-scores outside this range should occur only about one time in twenty, if a laboratory has average capability running the method. Laboratories should strive to obtain z-score values close to zero."
 (da ASTM ISDO0707 Report Introduction).