

Inventory IRG-21-137

Lot 1 - Various Lab Equipment

Asset#	In Service Date	Description	Condition	Still spare parts & service available?	Mfg/Supplier
2395929	3/1/1971	Millpour Filter Units - includes filtration station (including vacuum controller, vacuum vessel), vacuum controller (vacuum brand CVC2), weighing station including filter rack, vacuum vessel	Good	Needs no service	Millpour
2404449	6/28/2000	MO:404:ANALYTISCHE BOVENWEGER BASIC-PLUS (bal-15) - Weighing scale; Sartorius BP301S	Ok	-	
2395971	12/1/1993	Micro Carbon Residue Tester	Ok	Yes	Alcor
2403760	7/22/2011	Micro Carbon Residue Tester ACR-M3	Ok	Yes	Tanaka
2406861	11/14/2013	Eraflash flashpoint S10 with 10 samples carousel	Good	Yes	Eralytics
2407317	10/31/2014	Ultracentrifuge replacement Lynx 4000	Good	Yes	Thermo Fisher
2407319	7/11/2014	V4L Auto Ferrographic analysis	Good	-	-
2410562	6/25/2019	Analyser XRF-03 - Oxford Instruments X-Supreme SSD, X-ray	Good	Yes	Oxford Instrumnts
2411136	7/1/2020	A4.01154 2 CAV 4.2 Viscometers (CAV-03 en CAV-04) - 2 units - with fast run tubes 3-30 (2x)	Good	Yes	Cannon
2410594	9/26/2019	19-01P CAV 4.2 Viscometer (A4.1134) (cav 01) - with fast run tubes 4-40 and 8-80	Good	Yes	Cannon
2410595	9/26/2019	19-01P CAV 4.2 Viscometer (computer + Monitor) (cav02) - with fast run tubes 4-40 and 8-80	Good	Yes	Cannon

Lot 2 - HTV Collection (High Throughput Viscometer)

Asset#	In Service Date	Description	Condition	Still spare parts & service available?	Mfg/Supplier
2406495	1/1/2013	Stand alone Stabinger A4.00732	Ok	Yes	Anton Paar
2408761	2/2/2016	Replacement Visco H2 HTV	Ok	Yes	
2409007	6/21/2016	AR15-01P Stabinger Vicometers - 5 units - SVM 3000	Ok	Yes	
2409294	8/28/2017	16-07P HTV Expansion NR.8: 021216	Ok	Yes	
2409295	8/28/2017	16-07P HTV Expansion NR.9 : 021216	Ok	Yes	
2410607	1/1/2020	17-06P HTV Analyzer Expansion (A4.01063) - Complete HTV Unit	Ok	Yes	
2408886	6/21/2016	Particle Quantifier Analyzer (PQ -5 htv) - Analex pQL Analyser in HTV	Ok	Yes	

Lot 3 - TAN/TBN/IPH (Total Acid Number / Total Base Number / Initial pH)

Asset#	In Service Date	Description	Condition	Still spare parts & service available?	Mfg/Supplier
2398775	8/7/2006	TBN AUTOSAMPLERS 1 AND 2 A4.00228 (tanpot 815) - 815 robotic USB sample processor XL, 60 pos.	Good	Yes	Metrohm
2399782	12/6/2007	TBN/TAN EQUIPMENTS UOA A4.00389 (tbn47) - 814 USB Sample processor, 785 DMP titrino	Good	Yes	Metrohm
2402066	12/10/2009	EXTRA TAN EQUIPM.UOA LAB (855 tan6) - 855 titrosampler, 60 pos	Good	Yes	Metrohm
2402874	7/7/2010	EXTRA TANEQUIP(2009)UOALAB A4.00561 (855 tan7) - 855 Robotic titrosampler, 800 dosino (2x)	Good	Yes	Metrohm
2407320	10/24/2014	855 Robotic Tiro sampler - TAN + automation UOA lab A4.00730 (855 tan8)	Good	Yes	Metrohm
2409004	11/7/2016	AR16-01P THERMO TAN ANALYZER - 859 titrotherm, 805 dosimat 772 pump unit (2x), 800 dosino	Good	Yes	Metrohm
2409296	8/30/2017	TAN Analyser pomp 1 serie 27720120-00093257	Good	Yes	Metrohm
2409297	8/30/2017	TAN Analyser pomp 2 serie 27720120-00093259	Good	Yes	Metrohm
2409298	8/30/2017	TAN Analyser pomp 3 serie 27720120-00093261	Good	Yes	Metrohm
2409299	8/30/2017	Tan Analyser Titrotherm Tiamo serie 28591010-93246 - 859 titrotherm, 805 dosimat 772 pump unit (2x), 800 dosino	Good	Yes	Metrohm
2410674	1/1/2020	TBNT-06 Titrator (A4.01064) - dosino 800 (3x) ?	Good	Yes	Metrohm
2410675	1/1/2020	TBNT-06 859 Interface unit (A4.01064) - 859 titrotherm	Good	Yes	Metrohm

Lot 4 - Karl Fisher Water Analyzer Equipment

Asset#	In Service Date	Description	Condition	Still spare parts & service available?	Mfg/Supplier
2404472	12/30/2011	NEW KARLFISHER UOA LAB A4.00670 (kf06) - 874 sample processor/831 KarlFisher Coulometer	Ok	Yes	Metrohm
2408657	11/1/2015	Karl Fisher Replacement KF 07) - 874 Oven Sample processor/851 Titrande	Good	Yes	Metrohm
2409546	4/13/2018	Karl Fisher Analyzer USB 874 Oven Sample Processor (kf08)	Good	Yes	Metrohm
2409547	4/13/2018	Karl Fisher Analyze 851 Titrande (kf08)	Good	Yes	Metrohm

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Lot 5 - PCL Analysis (Personel Carrier)

Asset#	In Service Date	Description	Condition	Still spare parts & service available?	Mfg/Supplier
2399670	11/14/2007	AIR-RELEASE EQUIPMENT UOA - Cooler/heater; Tamson TC9E	Good	Yes	Stanhope-Seta
2399908	12/24/2007	FOAM TEST EQUIPM. UOA LAB - Cooler/heater; Lauda Ecoline RE106	Good	Yes	Scavini
2399909	12/24/2007	DEMULSIBILITY TEST EQUIP. UOA LAB	Good	Yes	Scavini
2406867	1/1/2013	RPVOT units UOA lab A4.00622 (rpvot 5/6/7/8) - 4 units on 1 computer	Ok	Yes	Orbis
2409300	8/30/2017	16-08P RPVOT Analyzer Quantum nr. 9 QOT-1612-481	Ok	Yes	Orbis
2409301	8/30/2017	16-08P RPVOT Analyzer Quantum nr. 10 QOT-1612-482	Ok	Yes	Orbis
2409302	8/30/2017	16-08P RPVOT Analyzer Quantum nr. 11 QOT-1612-483	Ok	Yes	Orbis
2409303	8/30/2017	16-08P RPVOT Analyzer Quantum nr. 12 QOT-1612-485	Ok	Yes	Orbis
2408406	2/1/2015	Ruler MPC project UOA lab	Good	Yes - MPC filtration setup	Orbis
2409192	5/15/2017	A4.00999 AIR RELEASE ANALYZER (art-04) - Cooler/heater; Julabo balance; ADAM NBL-124a	Good	Yes	Normalab
2409548	4/13/2018	Automated Water Separability Measuring (ADEM) - Six position automated demulsibility	Good	Yes	Green Labs

Lot 6 - ICP and diluters (Inductive Coupled Plasma)

Asset#	In Service Date	Description	Condition	Still spare parts & service available?	Mfg/Supplier
2399997	2/13/2008	AUTO-DILUTERS FOR ICP A4.00346 (dil-01 en 02)	Ok	Yes - CETAC APS-1650	CETAC
2402315	3/9/2010	ICP iCAP6500 UOALAB A4.00513 (icp07) - Autosampler ESI SC-4DX, ICP Cooler Thermoflex 900	Ok	Yes - Thermo Fisher ICP-OES ICAP 6000	Thermo Fisher
2403497	5/30/2011	REPLACE ADD ICP'S UOA LAB A4.00618 (icp 08 en 09)	Ok	Yes	Thermo Fisher
2406864	7/31/2013	ICP sample loops UOA lab - Fastloop system 3 ml	Ok		
2404471	12/30/2011	EXTRA AUTODILUTERS ICP UOA LAB A4.00682 (dil-03 en 04)	Ok	Yes	Perkin Elmer
2409550	4/13/2018	ICP-10 AVIO 500	Good	Yes	Perkin Elmer
2409552	4/13/2018	ASX-1600 /ASXPRESS FOR ASX-1600	Good	Yes	CETAC
2410606	1/1/2020	Synchron-Autodiluter (Serieno. 81072) A4.01119 - no validation, custom software	Ok	Yes	Synchron

Lot 7 - FTIR (Fourier Transform Infra Red)

Asset#	In Service Date	Description	Condition	Still spare parts & service available?	Mfg/Supplier
2408665	12/1/2015	Oil Express 4 (IR 10) - Oil express 4 XL DUO//Spectrum Two (2x)	Good	Yes	Perkin Elmer
2410364	6/1/2019	18-04P OilExpress 4 XL Duo IR11+ IR12	Good	Yes	Perkin Elmer
2410722	6/1/2020	A4.01155 19-04P FTIR Analyzer Upgrade / 10-UPPER - Additional FTIR for IR10 system	Good	Yes	Perkin Elmer - Spectrum Two

Lot 8 - Gas Chromatography

Asset#	In Service Date	Description	Condition	Still spare parts & service available?	Mfg/Supplier
2403950	11/1/2011	REPLACE OLD GC UOA LAB A4.00671 (gc-03) - Perkin Elmer Clarus 580 with Autosampler	Ok	Yes	perkin Elmer
2409271	8/28/2017	16-04P Perkin Elmer GC (CLARUS 580 GC 04) - Perkin Elmer Clarus 580 with Autosampler	Good	Yes	perkin Elmer

Lot 9 - Particle Size Automated

Asset#	In Service Date	Description	Condition	Still spare parts & service available?	Mfg/Supplier
2409199	5/15/2017	Auto Diluted Particle counter (cinrg-01) - Gilson Liquid Handler	Good	Yes	CINRG
2409553	4/13/2018	CINRG-02 Automated Particle counter - Gilson Liquid Handler	Good	Yes	CINRG
2410537	6/30/2019	PARTICLE COUNTER AUTO. CINR-G 03 (18-02P) - Gilson Liquid Handler	Good	Yes	CINRG

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