



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
OKLAHOMA/102/EG - ROLLER/COMPACTOR
Machine Id
64.21L [OKLAHOMA^102^EG - ROLLER/COMPACTOR]
Component
Hydraulic System
Fluid
MOBIL 10W (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WCCF3708	WCMCF30748	WCMCF30577
Sample Date		Client Info		15 Feb 2018	06 Mar 2017	25 Jan 2017
Machine Age	hrs	Client Info		335	3096	3067
Oil Age	hrs	Client Info		1000	29	131
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	4	6	6
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	2	2
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>75	14	24	16
Tin	ppm	ASTM D5185m	>10	0	5	1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

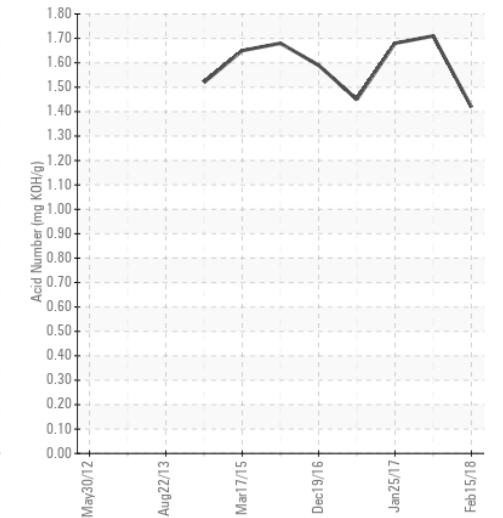
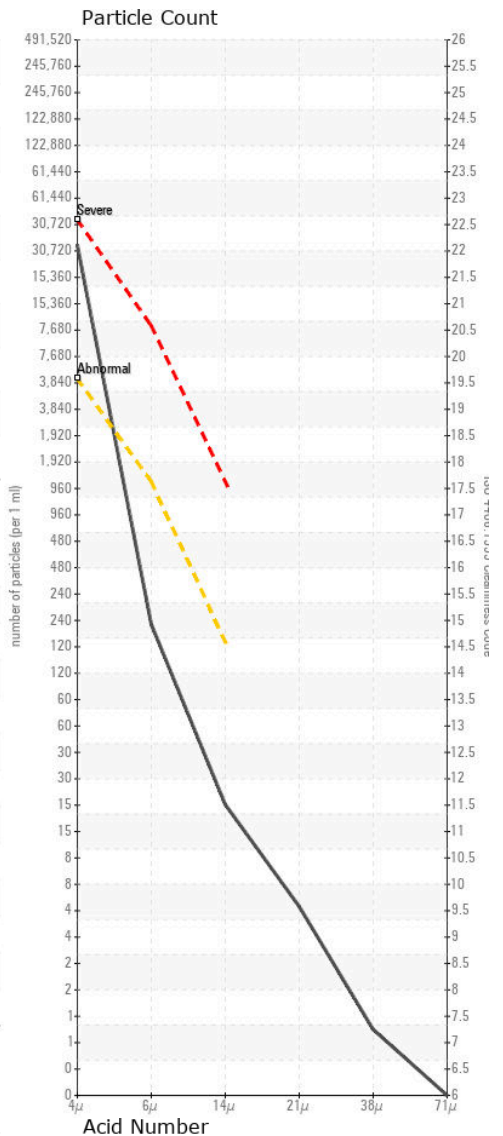
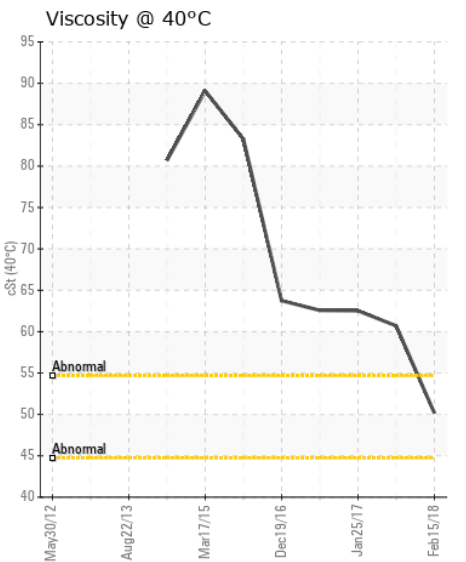
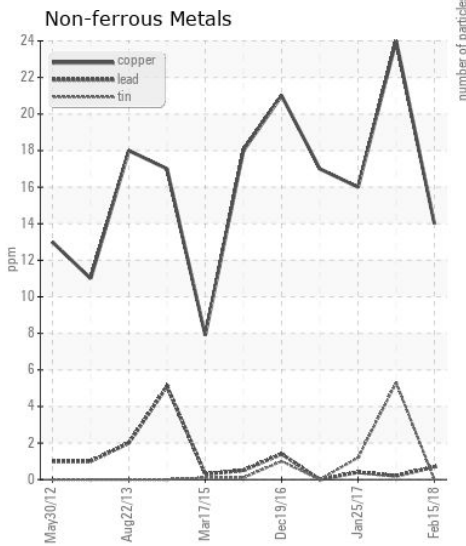
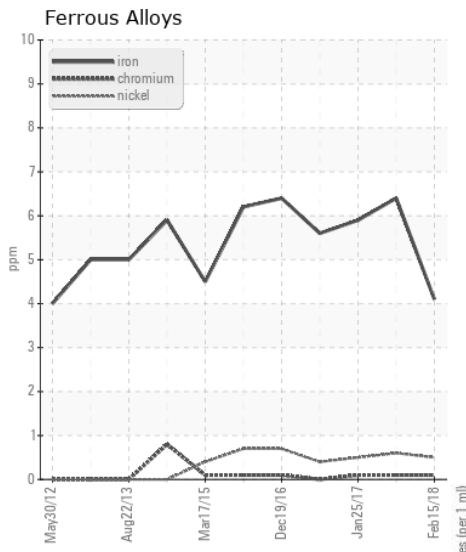
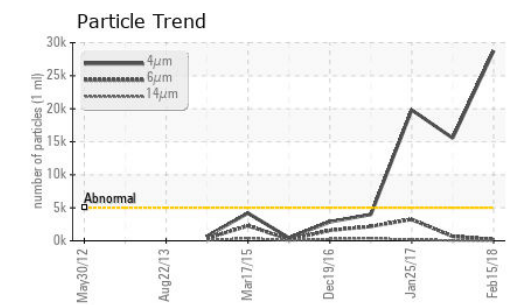
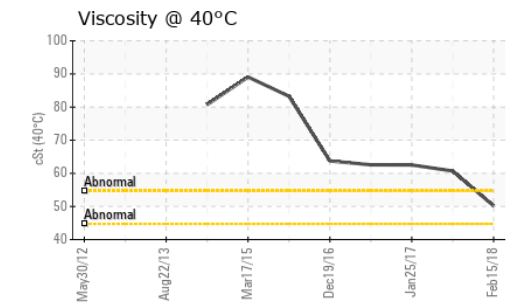
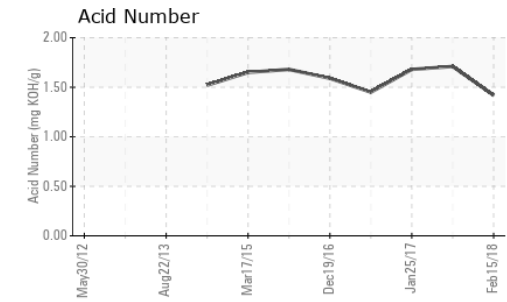
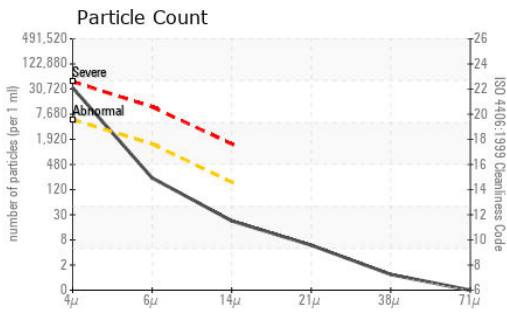
There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

Silicon	ppm	ASTM D5185m	>20	5	5	4
Potassium	ppm	ASTM D5185m	>20	<1	2	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	28769	15550	19816
Particles >6µm		ASTM D7647	>1300	201	676	3238
Particles >14µm		ASTM D7647	>160	19	51	165
Particles >21µm		ASTM D7647	>40	5	18	22
Particles >38µm		ASTM D7647	>10	1	5	0
Particles >71µm		ASTM D7647	>3	0	3	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	22/15/11	21/17/13	21/19/15
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		4	9	8
Boron	ppm	ASTM D5185m		19	41	40
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		13	29	28
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		194	491	490
Calcium	ppm	ASTM D5185m		2336	2016	1806
Phosphorus	ppm	ASTM D5185m		884	899	916
Zinc	ppm	ASTM D5185m		974	1144	1029
Sulfur	ppm	ASTM D5185m		5358	4044	1500
Acid Number (AN)	mg KOH/g	ASTM D8045		1.419	1.71	1.68
Visc @ 40°C	cSt	ASTM D445		50.17	60.7	62.52



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WCCF3708
Lab Number : 04413903
Unique Number : 8107607
Test Package : MOB 2

Received : 22 Feb 2018
Tested : 23 Feb 2018
Diagnosed : 23 Feb 2018 - Don Baldrige

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)