



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
MYCOM 2535722 NORTH
 Component
Compressor
 Fluid
SYNTHOSOL SOS-B4-150 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		SYNI2001184	SYNI2000389	SYNI2000502
Sample Date		Client Info		26 Oct 2023	22 Mar 2019	20 Dec 2018
Machine Age	hrs	Client Info		132044	92227	90023
Oil Age	hrs	Client Info		131750	91933	89729
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	5	4	3
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	0	0
Tin	ppm	ASTM D5185m	>15	9	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

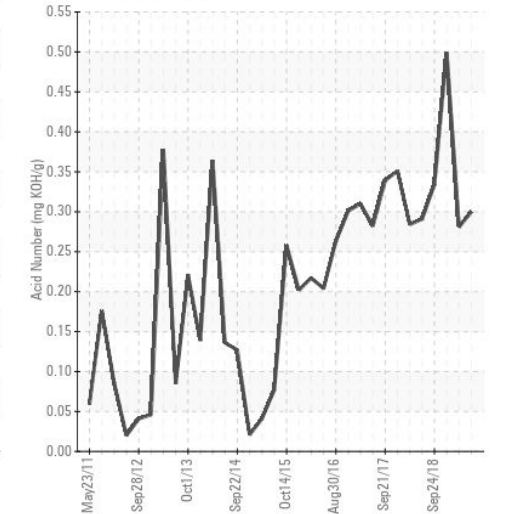
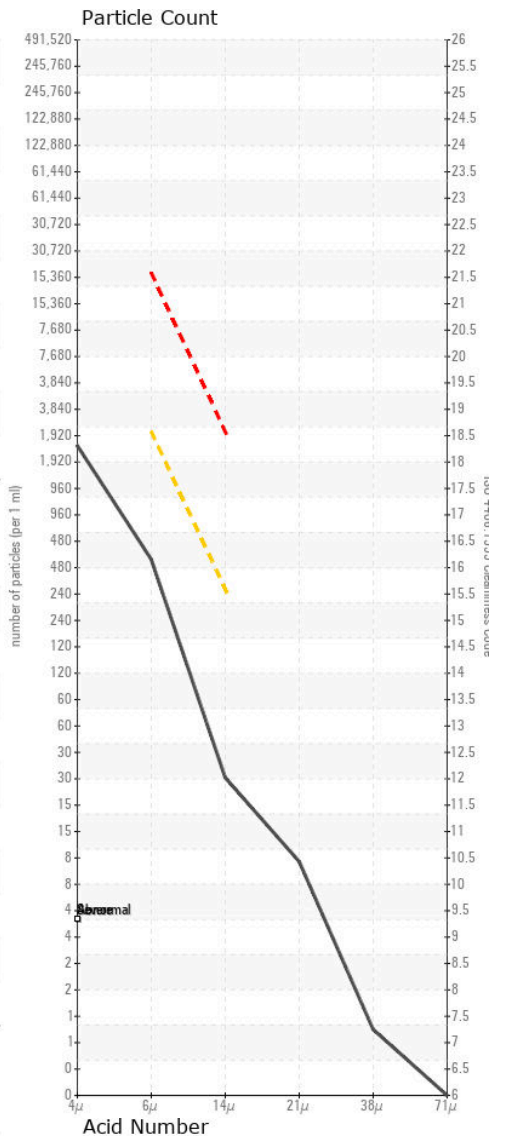
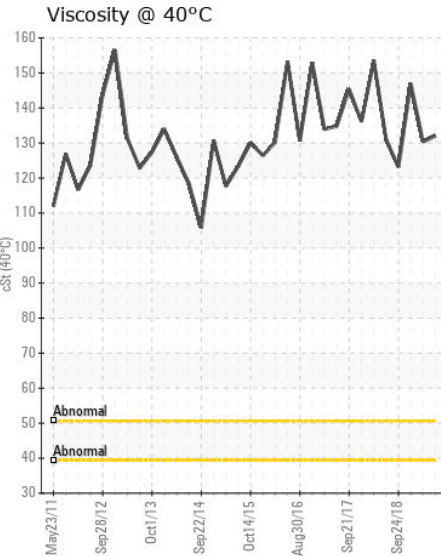
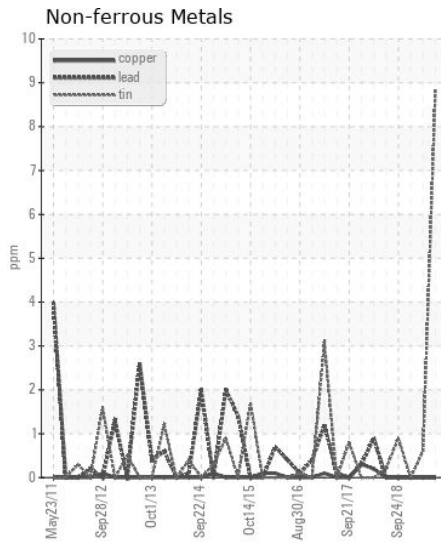
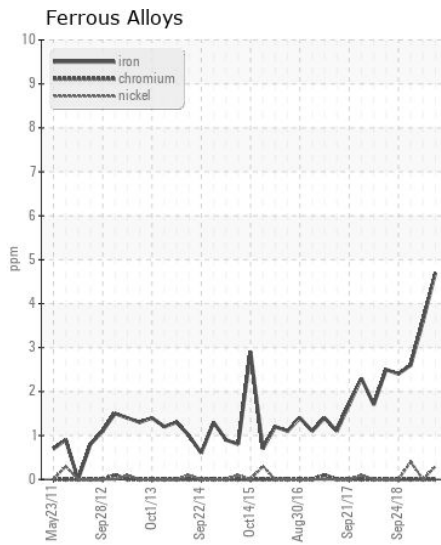
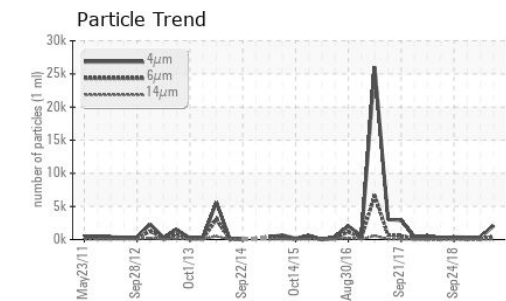
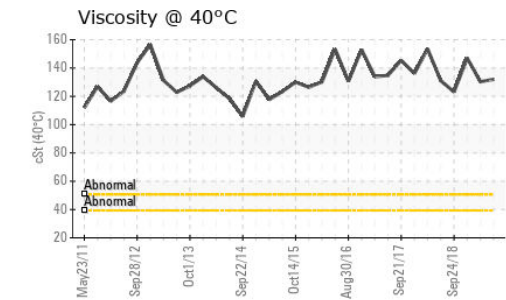
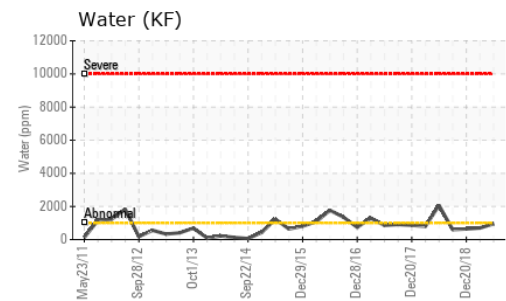
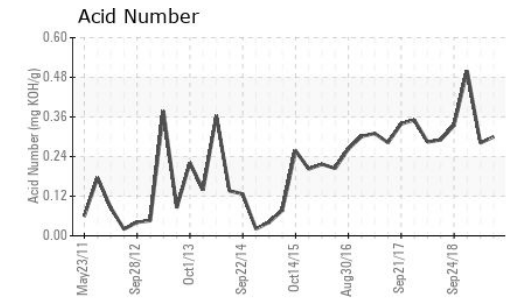
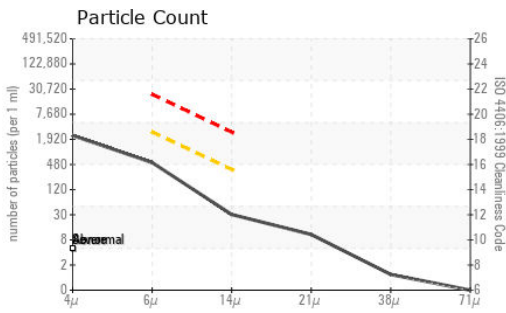
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	10	12	10
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Water	%	ASTM D6304	>0.1	0.095	0.070	0.064
ppm Water	ppm	ASTM D6304	>1000	950	700	640
Particles >4µm		ASTM D7647		2081	319	351
Particles >6µm		ASTM D7647	>2500	469	97	72
Particles >14µm		ASTM D7647	>320	27	18	6
Particles >21µm		ASTM D7647	>80	9	6	3
Particles >38µm		ASTM D7647	>20	1	2	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	---/18/15	18/16/12	15/14/11	16/13/10
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
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	0.2%	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		15	11	9
Boron	ppm	ASTM D5185m		0	2	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		3	0	<1
Calcium	ppm	ASTM D5185m		52	33	26
Phosphorus	ppm	ASTM D5185m		171	102	92
Zinc	ppm	ASTM D5185m		126	52	43
Sulfur	ppm	ASTM D5185m		57	0	19
Acid Number (AN)	mg KOH/g	ASTM D8045		0.30	0.281	0.499
Visc @ 40°C	cSt	ASTM D445		132	130.3	146.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SYNI2001184
Lab Number : 05995636
Unique Number : 10723996
Test Package : IND 2 (Additional Tests: KF, PrtCount)

Received : 01 Nov 2023
Tested : 07 Nov 2023
Diagnosed : 07 Nov 2023 - Jonathan Hester

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 20310 N US HWY 59
 GARRISON, TX
 US 75965
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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)