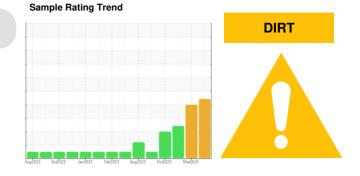


# **OIL ANALYSIS REPORT**

# **Thermoforming** Line 4 C Extruder (S/N AJ213)

**Bevel Helical Gearbox** 

{not provided} (18 GAL)



# DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

All component wear rates are normal.

# Contamination

There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal.

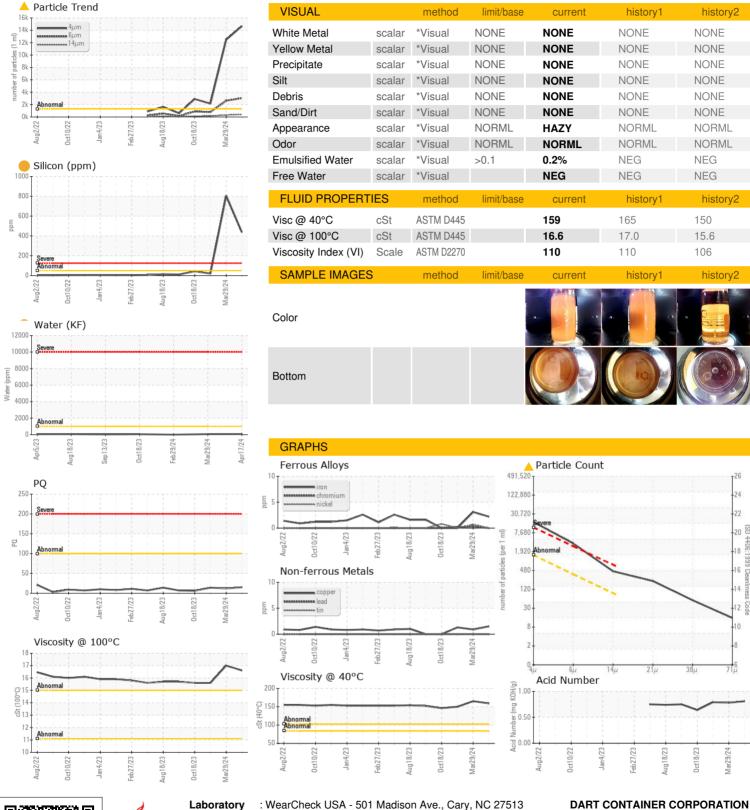
### **Fluid Condition**

The AN level is acceptable for this fluid.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50002191	TO50002228	TO50002177
Sample Date		Client Info		17 Apr 2024	29 Mar 2024	29 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Filtered	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		15	12	14
Iron	ppm	ASTM D5185m	>150	2	3	0
Chromium	ppm	ASTM D5185m	>100	0	<1	<1
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m	710	<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	2	2
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	2	<1	1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	le le		line it /le e e e			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	3	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		1	5	0
Phosphorus	ppm	ASTM D5185m		528	661	527
Zinc	ppm	ASTM D5185m		2	7	4
Sulfur	ppm	ASTM D5185m		1194	1470	412
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>436</b>	806	19
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water	%	ASTM D6304	>0.1	0.007	0.006	0.00
ppm Water	ppm	ASTM D6304	>1000	72	64	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>1300	<b>14669</b>	<u>▲</u> 12463	<u>^</u> 2156
Particles >6µm		ASTM D7647	>320	<u>^</u> 3044	<u>▲</u> 2627	▲ 802
Particles >14μm		ASTM D7647	>80	<b>4</b> 399	<u></u> 314	<u>▲</u> 151
Particles >21µm		ASTM D7647	>20	<u> </u>	<u>▲</u> 126	<u>▲</u> 77
Particles >38μm		ASTM D7647	>4	<b>48</b>	<b>▲</b> 13	<u> </u>
Particles >71μm		ASTM D7647	>3	<u> </u>	1	1
Oil Cleanliness		ISO 4406 (c)	>17/15/13	<u>21/19/16</u>	<u>^</u> 21/19/15	<u>▲</u> 18/17/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



# OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: TO50002191 Lab Number : 06155940 Unique Number: 10991363

Received : 22 Apr 2024 **Tested** 

: 26 Apr 2024 Diagnosed : 26 Apr 2024 - Jonathan Hester

Test Package : IND 2 ( Additional Tests: KF, KV100, PQ, PrtCount, VI ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - 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)

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