

# **OIL ANALYSIS REPORT**

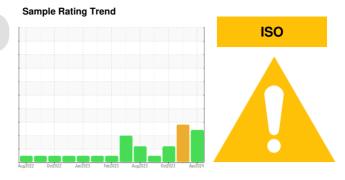
Area

# Thermoforming Line 4 A Extruder (S/N X8137)

**Bevel Helical Gearbox** 

Fluid

{not provided} (3 GAL)



### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

## Contamination

There is a high amount of particulates present in the oil.

#### **Fluid Condition**

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

SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50002193	TO50002205	TO50001680
Sample Date		Client Info		17 Apr 2024	29 Feb 2024	18 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		14	15	14
Iron	ppm	ASTM D5185m	>150	9	4	5
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	3	2	<1
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm	ASTM D5185m	>50	4	3	2
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	1	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		1	<1	3
Calcium	ppm	ASTM D5185m		0	0	5
Phosphorus	ppm	ASTM D5185m		583	615	667
Zinc	ppm	ASTM D5185m		6	7	4
Sulfur	ppm	ASTM D5185m		2003	2017	2149
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	10	8
Sodium	ppm	ASTM D5185m		0	1	2
	ppm	ASTM D5185m	>20	2	<1	2
	%	ASTM D6304	>0.1	0.001	0.021	0.008
ppm Water	ppm	ASTM D6304	>1000	13	217	83.6
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>1300	<u>▲</u> 5797	<u>^</u> 7279	<u>▲</u> 6536
Particles >6µm		ASTM D7647	>320	<u> </u>	<u>1909</u>	<u>▲</u> 1271
Particles >14μm		ASTM D7647	>80	<u> </u>	<u> </u>	61
Particles >21μm		ASTM D7647	>20	<u> </u>	<u></u> 101	10
Particles >38µm		ASTM D7647	>4	<u>^</u> 6	<u>13</u>	0
Particles >71µm		ASTM D7647	>3	1	<u>^</u> 2	0
		ASTM D7647 ISO 4406 (c)	>3 >17/15/13	1 ^ 20/18/15	△ 2 △ 20/18/15	0 <b>2</b> 0/17/13



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Certificate 12367

Laboratory Sample No.

: TO50002193 : 06156959 Lab Number Unique Number : 10992382

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024

**Tested** : 23 Apr 2024 Diagnosed

: 25 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.

Contact: YON PALOMINO yon.palomino@dart.biz T: (214)775-5673

4444 W LEADBETTER DR

 $^st$  - 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)

Submitted By: YON PALOMINO

DALLAS, TX

US 75236

F: