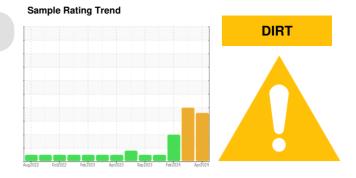


# **OIL ANALYSIS REPORT**

# **Thermoforming** Line 4 D Extruder (S/N X8143)

**Bevel Helical Gearbox** 

{not provided} (8 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		TO50002190	TO50002229	TO50002178
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	11	17
Iron	ppm	ASTM D5185m	>150	<1	1	0
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<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	<1	<1	2
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	<1
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	34
Phosphorus	ppm	ASTM D5185m		550	630	539
Zinc	ppm	ASTM D5185m		0	12	13
Sulfur	ppm	ASTM D5185m		994	1043	723
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<u> </u>	329	10
Sodium	ppm	ASTM D5185m		0	0	1
Potassium	ppm	ASTM D5185m	>20	0	1	1
Water	%	ASTM D6304	>0.1	0.005	0.004	0.00
ppm Water	ppm	ASTM D6304	>1000	59	42	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>1300	▲ 3887	<b>△</b> 6132	<b>△</b> 2764
Particles >6µm		ASTM D7647	>320	<b>A</b> 843	<u>▲</u> 1126	<b>▲</b> 808
Particles >14μm		ASTM D7647	>80	<u>4</u> 94	<u>▲</u> 137	92
Particles >21µm		ASTM D7647	>20	<u></u> 37	<u>▲</u> 56	32
Particles >38µm		ASTM D7647	>4	3	<u> </u>	3
Particles >71µm		ASTM D7647	>3	0	2	1
Oil Cleanliness		ISO 4406 (c)	>17/15/13	<u> </u>	<u>△</u> 20/17/14	<b>△</b> 19/17/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number Unique Number: 10991365

: TO50002190 : 06155942

Received : 22 Apr 2024 **Tested** : 23 Apr 2024 Diagnosed

: 24 Apr 2024 - Don Baldridge 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.

**DART CONTAINER CORPORATION** 

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T: (214)775-5673 F:

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