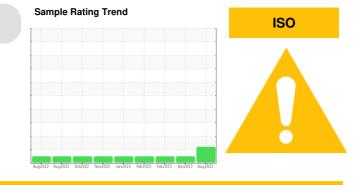


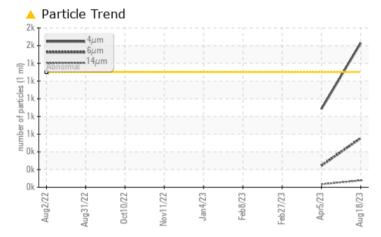
# **PROBLEM SUMMARY**



#### Area **Thermoforming** Machine Id **Line 4 C Extruder (S/N AJ213)** Component **Bevel Helical Gearbox** Fluid

NOT GIVEN (18 GAL)

# COMPONENT CONDITION SUMMARY



# RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: Benjamin Castillo )

PROBLEMATIC TEST RESULTS						
Sample Status			ATTENTION	NORMAL	NORMAL	
Particles >4µm	ASTM D7647	>1300	<u> </u>	884		
Particles >6µm	ASTM D7647	>320	🔺 555	245		
Oil Cleanliness	ISO 4406 (c)	>17/15/13	<u> </u>	17/15/12		

Customer Id: DARDALTX Sample No.: TO50001559 Lab Number: 05933505 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

*To change component or sample information:* Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

### **RECOMMENDED ACTIONS**

There are no recommended actions for this sample.

### HISTORICAL DIAGNOSIS

# 05 Apr 2023 Diag: Doug Bogart



US Api 2025 Diay. Doug Boga



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

### 27 Feb 2023 Diag: Sean Felton





Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

08 Feb 2023 Diag: Sean Felton

#### NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.





# **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

### Area **Thermoforming** Machine Id **Line 4 C Extruder (S/N AJ213)** Component

Bevel Helical Gearbox Fluid NOT GIVEN (18 GAL)

# DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: Benjamin Castillo )

# Wear

All component wear rates are normal.

## Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

### Fluid Condition

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

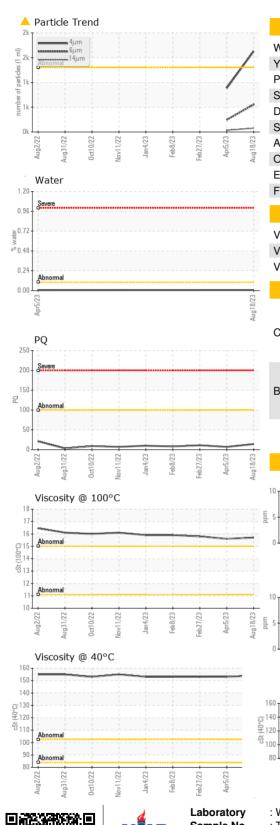
		Aug2022 Au	32022 Oct2022 Nov2022	Jan2023 Feb2023 Feb2023 Apra	023 Aug2023	
SAMPLE INFORM	<b>JATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50001559	TO50001589	TO50001347
Sample Date		Client Info		18 Aug 2023	05 Apr 2023	27 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		14	7	11
Iron	ppm	ASTM D5185m	>150	2	3	1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		2	1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	1
Magnesium	ppm	ASTM D5185m		<1	0	6
Calcium	ppm	ASTM D5185m		<1	0	<1
Phosphorus	ppm	ASTM D5185m		664	661	588
Zinc	ppm	ASTM D5185m		6	2	7
Sulfur	ppm	ASTM D5185m		535	591	402
CONTAMINANTS		method	limit/base			history2
				current	history1	
Silicon	ppm	ASTM D5185m	>50	14	6	4
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304		0.006	0.005	
ppm Water	ppm	ASTM D6304	>1000	63.6	58.5	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	<b>1630</b>	884	
Particles >6µm		ASTM D7647	>320	<u> </u>	245	
Particles >14µm		ASTM D7647	>80	77	34	
Particles >21µm		ASTM D7647	>20	25	14	
Particles >38µm		ASTM D7647	>4	1	1	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>17/15/13	<u> </u>	17/15/12	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.74	0.75	
:35:12) Rev: 1					Submitted By: Y	

Report Id: DARDALTX [WUSCAR] 05933505 (Generated: 08/28/2023 13:35:12) Rev: 1

Submitted By: YON PALOMINO



# **OIL ANALYSIS REPORT**



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		154	153	153
Visc @ 100°C	cSt	ASTM D445		15.7	15.6	15.8
Viscosity Index (VI)	Scale	ASTM D2270		104	104	106
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						

Bottom

