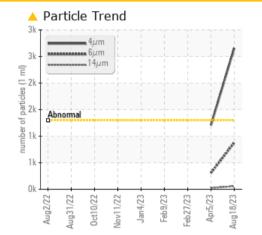


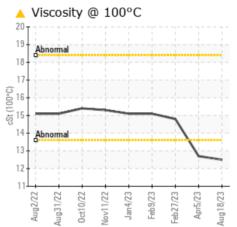
PROBLEM SUMMARY

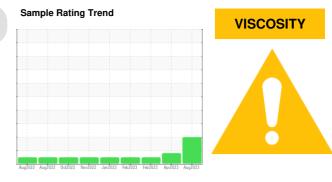
Thermoforming Machine Id Line 10 A Extruder (S/N X8173)

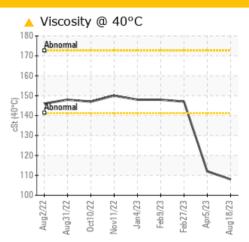
Bevel Helical Gearbox Fluid SUMMIT UNIPAR FG-150 (3 GAL)

COMPONENT CONDITION SUMMARY









RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. (Customer Sample Comment: Benjamin Castillo)

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ATTENTION	NORMAL		
Particles >4µm		ASTM D7647	>1300	<u> </u>	1208			
Particles >6µm		ASTM D7647	>320	<u> </u>	306			
Oil Cleanliness		ISO 4406 (c)	>17/15/13	<u> </u>	17/15/12			
Visc @ 40°C	cSt	ASTM D445		<u> </u>	🔺 112	147		
Visc @ 100°C	cSt	ASTM D445		A 12.5	12.7	14.8		

Customer Id: DARDALTX Sample No.: TO50001741 Lab Number: 05933497 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 <u>jhester@wearcheckusa.com</u>

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

RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description	
Change Filter			?	We recommend you service the filters on this component if applicable.	

HISTORICAL DIAGNOSIS

05 Apr 2023 Diag: Jonathan Hester



No corrective action is recommended at this time. 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 oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.



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.



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

Area Thermoforming Machine Id Line 10 A Extruder (S/N X8173) Component

Bevel Helical Gearbox Fluid SUMMIT UNIPAR FG-150 (3 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. (Customer Sample Comment: Benjamin Castillo)

Wear

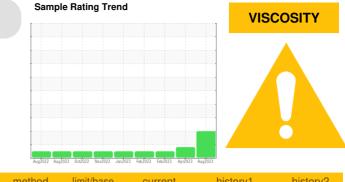
All component wear rates are normal.

Contamination

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

Fluid Condition

The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.



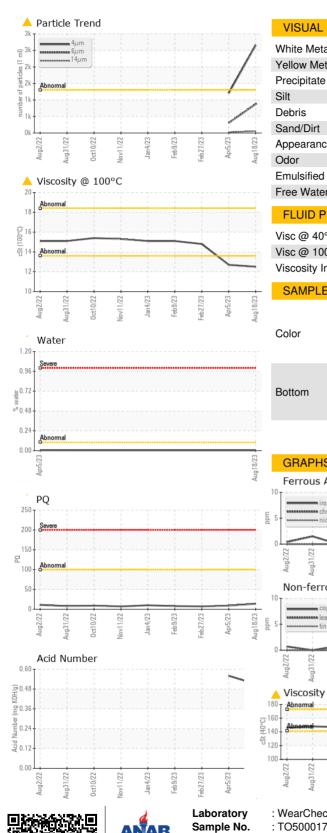
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50001741	TO50001588	TO50001401
Sample Date		Client Info		18 Aug 2023	05 Apr 2023	27 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		14	9	7
Iron	ppm	ASTM D5185m	>150	0	<1	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m	7.0	0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m	>50	۰ <1	<1	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium		ASTM D5185m	210	0	0	0
	ppm			0	0	0
Cadmium	ppm	ASTM D5185m		U	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	0	<1
Magnesium	ppm	ASTM D5185m		<1	0	6
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		374	511	558
Zinc	ppm	ASTM D5185m		4	0	3
Sulfur	ppm	ASTM D5185m		48	574	537
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	26	16	12
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm		>20	1	<1	0
Water	%	ASTM D6304	>0.1	0.004	0.005	
ppm Water	ppm	ASTM D6304	>1000	43.9	54.4	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	A 2657	1208	
Particles >6µm		ASTM D7647	>320	<u> </u>	306	
Particles >14µm		ASTM D7647	>80	58	23	
Particles >21µm		ASTM D7647	>20	15	6	
Particles >38µm		ASTM D7647	>4	1	0	
Particles >71µm		ASTM D7647		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		0.51	0.56 Submitted By: V	

Report Id: DARDALTX [WUSCAR] 05933497 (Generated: 08/28/2023 19:04:11) Rev: 1

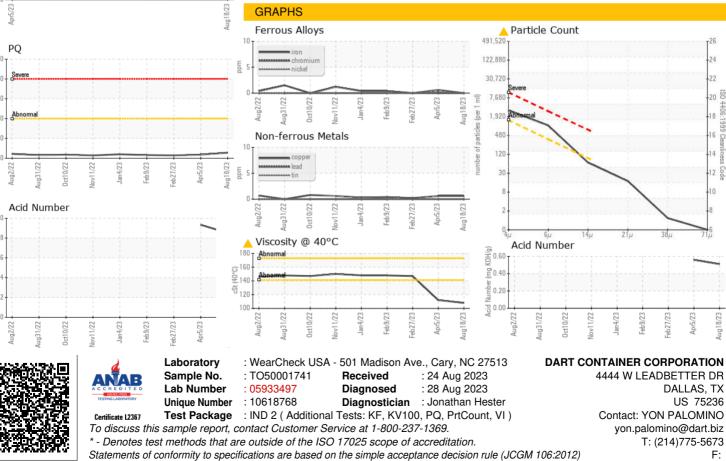
Submitted By: YON PALOMINO



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		<u> </u>	1 12	147
Visc @ 100°C	cSt	ASTM D445		<u> </u>	▲ 12.7	14.8
Viscosity Index (VI)	Scale	ASTM D2270		107	106	99
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						
Bottom						



Submitted By: YON PALOMINO