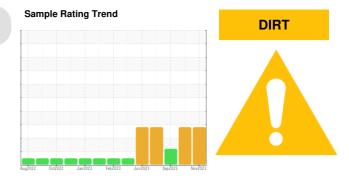


PROBLEM SUMMARY

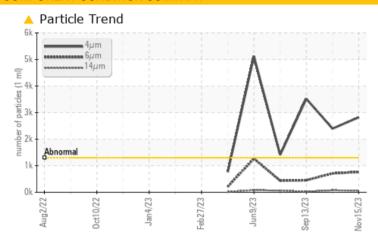
Thermoforming Line 10 C Extruder (S/N AN618)

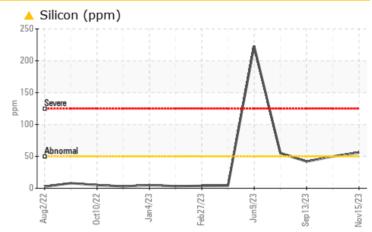
Bevel Helical Gearbox

NOT GIVEN (78 GAL)



COMPONENT CONDITION SUMMARY





RECOMMENDATION

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

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL		
Silicon	ppm	ASTM D5185m	>50	<u> </u>	<u></u> 50	42		
Particles >4µm		ASTM D7647	>1300	2824	<u>2396</u>	<u></u> 4 3518		
Particles >6µm		ASTM D7647	>320	^ 765	<u>^</u> 710	450		
Oil Cleanliness		ISO 4406 (c)	>17/15/13	19/17/13	▲ 18/17/13	1 9/16/12		

Customer Id: DARDALTX Sample No.: TO50001534 Lab Number: 06013252 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

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

18 Oct 2023 Diag: Angela Borella

DIRT



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



13 Sep 2023 Diag: Doug Bogart

ISO



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



18 Aug 2023 Diag: Jonathan Hester

DIRT

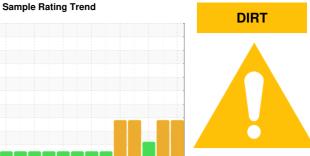


No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT



Thermoforming

Line 10 C Extruder (S/N AN618)

Bevel Helical Gearbox

NOT GIVEN (78 GAL)

DIAGNOSIS

Recommendation

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

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal.

Fluid Condition

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

		Aug2022	Oct2022 Jan2023	Feb 2023 Jun 2023 Sep 2023	Nov2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50001534	TO50001679	TO50001704
Sample Date		Client Info		15 Nov 2023	18 Oct 2023	13 Sep 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		12	11	12
Iron	ppm	ASTM D5185m	>150	12	13	15
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	1	1	0
Tin	ppm	ASTM D5185m	>10	<1	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		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	3	1
Calcium	ppm	ASTM D5185m		5	4	30
Phosphorus	ppm	ASTM D5185m		645	622	514
Zinc	ppm	ASTM D5185m		10	9	8
Sulfur	ppm	ASTM D5185m		612	610	844
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	^ 56	△ 50	42
Sodium	ppm	ASTM D5185m		3	3	3
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water	%	ASTM D6304	>0.1	0.002	0.004	0.002
ppm Water	ppm	ASTM D6304	>1000	24.1	46.3	23.9
ppm Water FLUID CLEANLIN		ASTM D6304 method	>1000 limit/base	24.1 current	46.3 history1	23.9 history2
FLUID CLEANLIN						
FLUID CLEANLIN Particles >4µm		method	limit/base >1300	current	history1	history2
FLUID CLEANLIN Particles >4μm Particles >6μm		method ASTM D7647	limit/base >1300	current △ 2824	history1 A 2396	history2 ▲ 3518
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm		method ASTM D7647 ASTM D7647	limit/base >1300 >320 >80	current ▲ 2824 ▲ 765	history1 ▲ 2396 ▲ 710	history2 ▲ 3518 ▲ 450
ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm		method ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >320 >80	current ▲ 2824 ▲ 765 60	history1 ▲ 2396 ▲ 710 74	history2 ▲ 3518 ▲ 450 26
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base	current ▲ 2824 ▲ 765 60 18	history1 ▲ 2396 ▲ 710 74 26	history2 ▲ 3518 ▲ 450 26 9
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base	current △ 2824 △ 765 60 18 2	history1 2396 710 74 26 1	history2 ▲ 3518 ▲ 450 26 9 2

0.60



OIL ANALYSIS REPORT

