

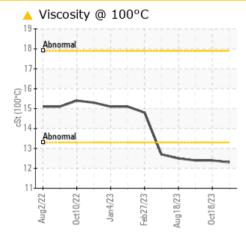
PROBLEM SUMMARY

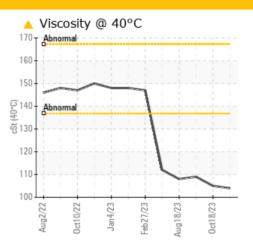
Sample Rating Trend VISCOSITY

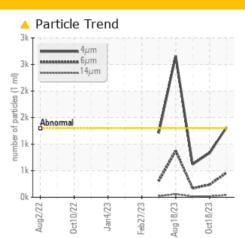
Thermoforming Machine Id Line 10 A Extruder (S/N X8173) Component Bevel Helical Gearbox

Fluid SUMMIT UNIPAR FG-150 (3 GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ATTENTION	ATTENTION	ATTENTION		
Particles >4µm		ASTM D7647	>1300	<u> </u>	833	621		
Particles >6µm		ASTM D7647	>320	<u> </u>	238	167		
Oil Cleanliness		ISO 4406 (c)	>17/15/13	18/16/13	17/15/11	16/15/11		
Visc @ 40°C	cSt	ASTM D445		i 104	🔺 105	<u> </u>		
Visc @ 100°C	cSt	ASTM D445		12.3	1 2.4	1 2.4		

Customer Id: DARDALTX Sample No.: TO50001532 Lab Number: 06013254 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 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS

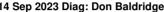
There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

18 Oct 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.



14 Sep 2023 Diag: Don Baldridge

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.

18 Aug 2023 Diag: Jonathan Hester



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





view report

Report Id: DARDALTX [WUSCAR] 06013254 (Generated: 11/22/2023 18:21:35) Rev: 1



OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

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

Bevel Helical Gearbox

SUMMIT UNIPAR FG-150 (3 GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

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

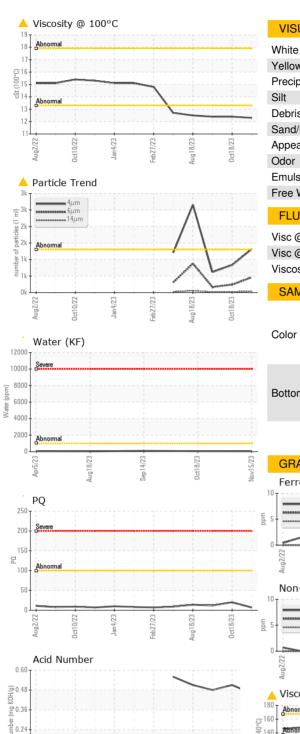
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50001532	TO50001681	TO50001712
Sample Date		Client Info		15 Nov 2023	18 Oct 2023	14 Sep 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ATTENTION	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		7	20	12
Iron	ppm	ASTM D5185m	>150	0	0	0
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	0	<1	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	6600		line in th			
ADDITIVES		method	limit/base		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	0
Magnesium	ppm	ASTM D5185m		0	4	<1
Calcium	ppm	ASTM D5185m		3	4	0
Phosphorus	ppm	ASTM D5185m		351	342	364
Zinc	ppm	ASTM D5185m		0	0	3
Sulfur	ppm	ASTM D5185m		403	380	406
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	19	25	19
Sodium	ppm	ASTM D5185m		<1	1	<1
Potassium	ppm	ASTM D5185m	>20	0	3	<1
Water	%	ASTM D6304	>0.1	0.004	0.006	0.009
ppm Water	ppm	ASTM D6304	>1000	47.8	60.8	96.5
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	1 315	833	621
Particles >6µm		ASTM D7647	>320	462	238	167
Particles >14µm		ASTM D7647	>80	41	19	16
Particles >21µm		ASTM D7647	>20	12	6	6
Particles >38µm		ASTM D7647	>4	1	1	2
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/15/13	18/16/13	17/15/11	16/15/11
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.46	0.51	0.48
3:21:35) Rev: 1	iiiy NOR/Y	AO HVI DOU40		U.40	Submitted By: Y	

Report Id: DARDALTX [WUSCAR] 06013254 (Generated: 11/22/2023 18:21:35) Rev: 1

Submitted By: YON PALOMINO

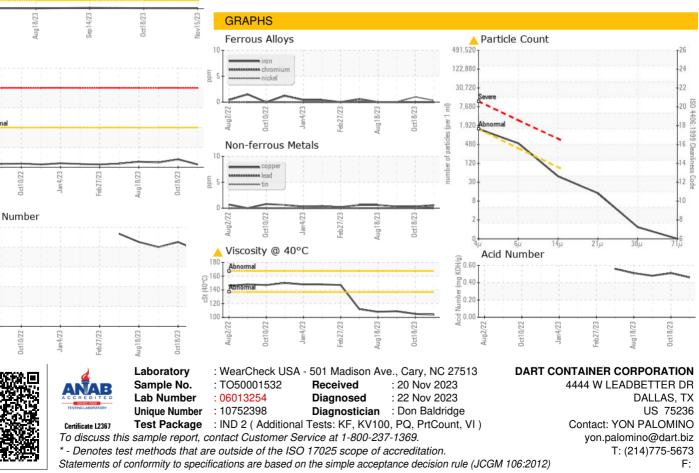


OIL ANALYSIS REPORT



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		1 04	1 05	1 09
Visc @ 100°C	cSt	ASTM D445		<u> </u>	12.4	1 2.4
Viscosity Index (VI)	Scale	ASTM D2270		109	110	105
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						

Bottom



Pio 0.12

0.00

回答

CC/C01

Submitted By: YON PALOMINO