

OIL ANALYSIS REPORT

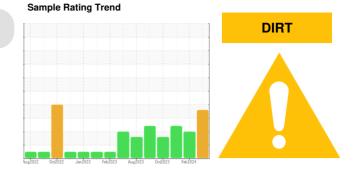
Area

Thermoforming Line 10 D Extruder (S/N X8179)

Bevel Helical Gearbox

Fluid

SUMMIT UNIPAR FG-150 (8 GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Wear

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 indicating ingress of dirt/seal material.

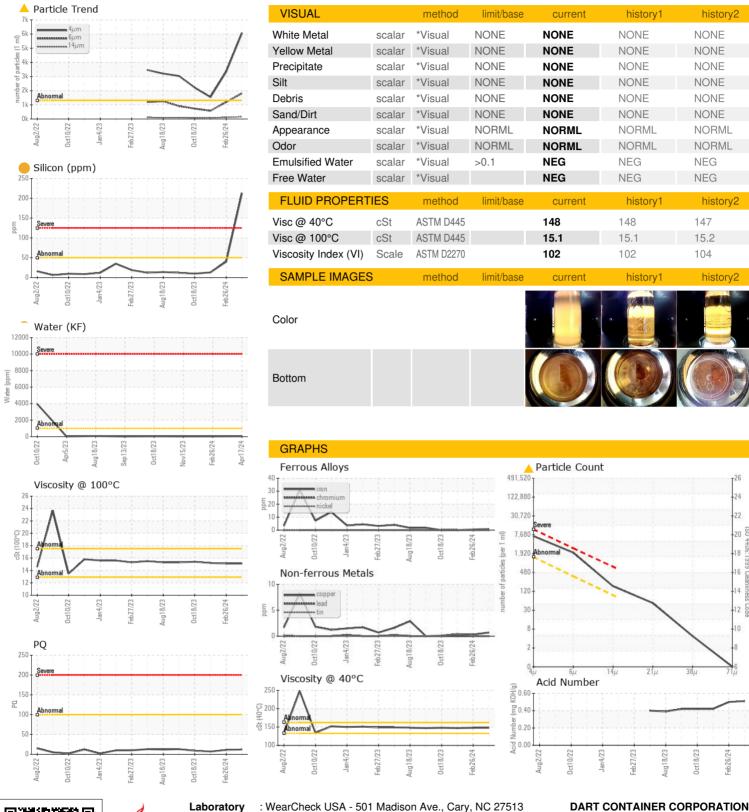
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50002283	TO50002200	TO50001535
Sample Date		Client Info		17 Apr 2024	26 Feb 2024	15 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		12	11	7
Iron	ppm	ASTM D5185m	>150	<1	<1	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m	210	<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
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ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		0	0	3
Phosphorus	ppm	ASTM D5185m		546	579	601
Zinc	ppm	ASTM D5185m		2	0	<1
Sulfur	ppm	ASTM D5185m		749	708	665
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	213	40	13
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>0.1	0.004	0.002	0.002
ppm Water	ppm	ASTM D6304	>1000	45	24	20.0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	6074	▲ 3342	1544
Particles >6µm		ASTM D7647	>320	<u> </u>	<u>1202</u>	577
Particles >14µm		ASTM D7647	>80	<u> </u>	<u>▲</u> 112	83
Particles >21µm		ASTM D7647	>20	45	2 9	3 1
Particles >38μm		ASTM D7647	>4	4	1	5
Particles >71μm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>17/15/13	<u>^</u> 20/18/14	△ 19/17/14	18/16/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



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Certificate 12367

Laboratory Sample No.

: TO50002283 Lab Number : 06155946 Unique Number: 10991369

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

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