

OIL ANALYSIS REPORT

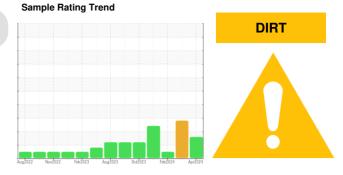
Area

Thermoforming Line 3 D Extruder (S/N X-8264)

Bevel Helical Gearbox

Fluid

{not provided} (8 GAL)



DIAGNOSIS

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

Elemental level of silicon (Si) above normal indicating ingress of seal material. The amount and size of particulates present in the system are acceptable.

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		TO50002194	TO50002233	TO50002204
Sample Date		Client Info		17 Apr 2024	29 Mar 2024	29 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Filtered	Not Changd
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		18	9	12
Iron	ppm	ASTM D5185m	>150	3	3	0
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	3	2	2
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm	ASTM D5185m	>50	2	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	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		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		0	4	0
Phosphorus	ppm	ASTM D5185m		552	643	531
Zinc	ppm	ASTM D5185m		2	8	2
Sulfur	ppm	ASTM D5185m		500	570	440
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<u> </u>	43	14
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	<1
Water	%	ASTM D6304	>0.1	0.001	0.003	0.012
ppm Water	ppm	ASTM D6304	>1000	3	27	126
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>1300	1191	<u>4</u> 2489	581
Particles >6µm		ASTM D7647	>320	300	<u>▲</u> 851	190
Particles >14μm		ASTM D7647	>80	40	<u> </u>	34
Particles >21µm		ASTM D7647	>20	20	<u></u> 78	16
Particles >38µm		ASTM D7647	>4	3	<u>▲</u> 12	3
Particles >71µm		ASTM D7647	>3	0	<u>^</u> 2	1
Oil Cleanliness		ISO 4406 (c)	>17/15/13	17/15/12	▲ 18/17/15	16/15/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

: TO50002194 : 06156963 Unique Number: 10992386

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested**

: 23 Apr 2024 Diagnosed

: 25 Apr 2024 - Jonathan Hester 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.

DALLAS, TX US 75236 Contact: YON PALOMINO

DART CONTAINER CORPORATION

yon.palomino@dart.biz T: (214)775-5673 F:

4444 W LEADBETTER DR

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