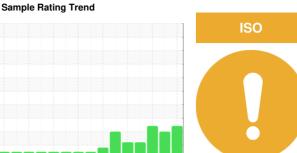


OIL ANALYSIS REPORT



Thermoforming Line 3 C Extruder (S/N X8257)

Bevel Helical Gearbox

{not provided} (18 GAL)

Recommendation

The oil filtered at the time of sampling has been noted. 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 particulates present in the oil.

Fluid Condition

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

		lug2022 Aug	2022 Nov2022 Feb202	23 Apr2023 Sep2023 Nov20	23 Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50002231	TO50002186	TO50001974
Sample Date		Client Info		29 Mar 2024	29 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		Filtered	Not Changd	Not Changd
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		13	14	8
Iron	ppm	ASTM D5185m	>150	8	16	8
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	0
Lead	ppm	ASTM D5185m	>100	<1	1	1
Copper	ppm	ASTM D5185m	>50	3	8	4
Tin	ppm	ASTM D5185m	>10	0	0	<1
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	<1	<1
Calcium	ppm	ASTM D5185m		4	0	2
Phosphorus	ppm	ASTM D5185m		638	904	573
Zinc	ppm	ASTM D5185m		14	19	6
Sulfur	ppm	ASTM D5185m		738	1091	641
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	46	21	12
Sodium	ppm	ASTM D5185m		<1	3	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304	>0.1	0.003	0.011	0.005
ppm Water	ppm	ASTM D6304	>1000	30	110	50.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	1533	△ 68153	▲ 10733
Particles >6µm		ASTM D7647	>320	536	<u>▲</u> 16565	2474
Particles >14µm		ASTM D7647	>80	110	▲ 300	▲ 331
Particles >21µm		ASTM D7647	>20	57	△ 39	1 40
Particles >38μm		ASTM D7647	>4	10	2	<u> </u>
Particles >71μm		ASTM D7647	>3	1	0	2
Oil Cleanliness		ISO 4406 (c)	>17/15/13	18/16/14	△ 23/21/15	<u>\$\text{21/18/16}\$</u>
FLUID DEGRADA	TION	method	limit/hase	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06137403 Unique Number: 10956868

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TO50002231 Received

Tested : 04 Apr 2024 Diagnosed

: 05 Apr 2024 - Don Baldridge Test Package : IND 2 (Additional Tests: KF, KV100, PQ, PrtCount, VI)

: 03 Apr 2024

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)

DART CONTAINER CORPORATION

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