

OIL ANALYSIS REPORT

Sample Rating Trend

Area **Thermoforming** Line 4 B Extruder (S/N X8156)

Bevel Helical Gearbox Fluid {not provided} (8 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil. Elemental level of silicon (Si) above normal.

Fluid Condition

The AN level is acceptable for this fluid.

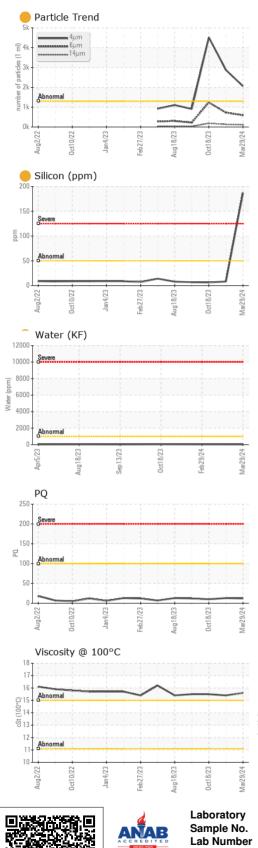
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50002230	TO50002206	TO50001625
Sample Date		Client Info		29 Mar 2024	29 Feb 2024	18 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Filtered	Not Changd	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		12	13	10
Iron	ppm	ASTM D5185m	>150	14	9	9
Chromium	ppm	ASTM D5185m	>10	<1	<1	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	2	2	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	1	<1
Tin	ppm	ASTM D5185m	>10	0	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		<1	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		<1	<1	4
Calcium	ppm	ASTM D5185m		5	0	2
Phosphorus	ppm	ASTM D5185m		966	592	632
Zinc	ppm	ASTM D5185m		11	6	<1
Sulfur	ppm	ASTM D5185m		1074	571	639
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	187	8	6
Sodium	ppm	ASTM D5185m		3	2	3
Potassium	ppm	ASTM D5185m	>20	<1	<1	2
Water	%	ASTM D6304	>0.1	0.002	0.003	0.004
ppm Water	ppm	ASTM D6304	>1000	24	31	42.9
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	e 2059	2 879	4520
Particles >6µm		ASTM D7647	>320	<mark>-</mark> 593	▲ 728	1 239
Particles >14µm		ASTM D7647	>80	113	1 30	1 86
Particles >21µm		ASTM D7647	>20	54	6 9	1 70
Particles >38μm		ASTM D7647	>4	0 10	1 2	2
Particles >71µm		ASTM D7647		1	<u> </u>	0
Oil Cleanliness		ISO 4406 (c)	>17/15/13	e 18/16/14	▲ 19/17/14	▲ 19/17/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Report Id: DARDALTX [WUSCAR] 06137405 (Generated: 04/08/2024 09:25:19) Rev: 1

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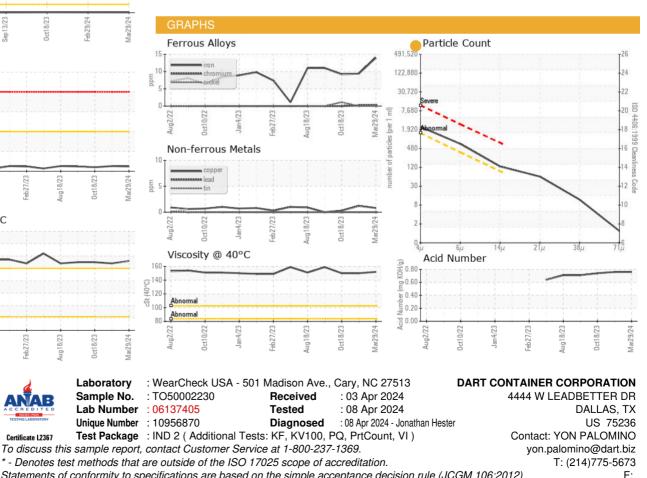


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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		152	150	150
Visc @ 100°C	cSt	ASTM D445		15.6	15.4	15.5
Viscosity Index (VI)	Scale	ASTM D2270		105	104	105
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						

Bottom



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

Certificate 12367

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