

OIL ANALYSIS REPORT

Sample Rating Trend

DIRT

Area **Thermoforming** Line 4 D Extruder (S/N X8143)

Bevel Helical Gearbox Fluid {not provided} (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.

Fluid Condition

The AN level is acceptable for this fluid.

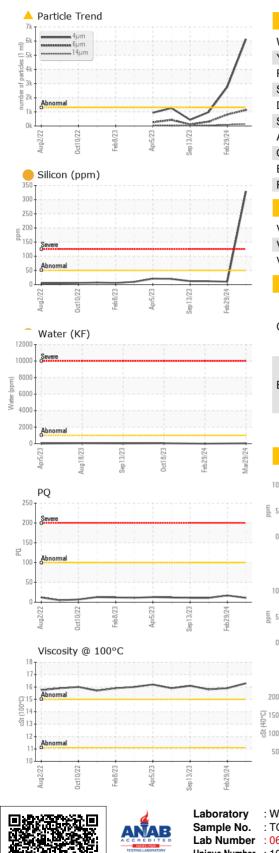
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50002229	TO50002178	TO50001624
Sample Date		Client Info		29 Mar 2024	29 Feb 2024	18 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Filtered	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		11	17	11
Iron	ppm	ASTM D5185m	>150	1	0	0
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	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	2	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m	210	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ррп		11 11 11	-	-	-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	<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	1	3
Calcium	ppm	ASTM D5185m		5	34	2
Phosphorus	ppm	ASTM D5185m		630	539	577
Zinc	ppm	ASTM D5185m		12	13	0
Sulfur	ppm	ASTM D5185m		1043	723	698
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	9 329	10	12
Sodium	ppm	ASTM D5185m		0	1	<1
Potassium	ppm	ASTM D5185m	>20	1	1	1
Water	%	ASTM D6304	>0.1	0.004	0.00	0.005
ppm Water	ppm	ASTM D6304	>1000	42	0	51.6
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	6132	A 2764	981
Particles >6µm		ASTM D7647	>320	<u> </u>	▲ 808	307
Particles >14µm		ASTM D7647	>80	A 137	92	40
Particles >21µm		ASTM D7647	>20	<u> </u>	32	13
Particles >38µm		ASTM D7647	>4	<u> </u>	3	2
Particles >71µm		ASTM D7647	>3	2	1	0
Oil Cleanliness		ISO 4406 (c)	>17/15/13	20/17/14	▲ 19/17/14	17/15/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) :25:32) Rev: 2	mg KOH/g	ASTM D8045		0.73	0.71 Submitted By: Y	0.66

Report Id: DARDALTX [WUSCAR] 06137401 (Generated: 04/08/2024 09:25:32) Rev: 2

Submitted By: YON PALOMINO

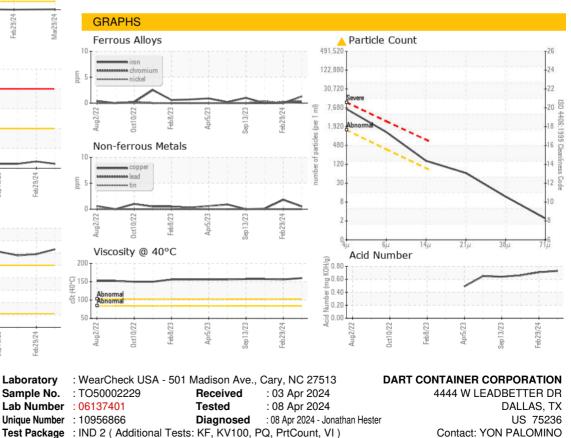


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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		160	156	157
Visc @ 100°C	cSt	ASTM D445		16.3	15.9	15.8
Viscosity Index (VI)	Scale	ASTM D2270		106	105	103
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					•	
Rottom						

Bottom



To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

Certificate 12367

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