

OIL ANALYSIS REPORT

Sample Rating Trend

Area **Thermoforming** Line 8 C Extruder (S/N 4276)

Bevel Helical Gearbox

Fluid SUMMIT UNIPAR FG-320 (60 GAL)

DIAGNOSIS

A 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

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50002277	TO50001539	TO50001970
Sample Date		Client Info		17 Apr 2024	11 Jan 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	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		9	20	13
Iron	ppm	ASTM D5185m	>150	2	9	2
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	<1	0
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		6	0	0
Barium	ppm	ASTM D5185m		0	3	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Vanganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		2	<1	3
Phosphorus	ppm	ASTM D5185m		370	518	513
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		1647	786	724
CONTAMINANTS	j -	method	limit/base	current	history1	history2
	ppm	method ASTM D5185m		current 43	history1 ▲ 81	history2
Silicon						
Silicon Sodium	ppm	ASTM D5185m	>50	43	8 1	7 3
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>50	43 0	▲ 81 0	▲ 73 0
Silicon Sodium Potassium Water	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20	43 0 0	▲ 81 0 <1	▲ 73 0 0
Silicon Sodium Potassium Water	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304	>50 >20 >0.1	43 0 0 0.009	▲ 81 0 <1 0.004	 73 0 0 0.006
Silicon Sodium Potassium Water ppm Water	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304	>50 >20 >0.1 >1000	43 0 0 0.009 93	▲ 81 0 <1 0.004 43	 ▶ 73 0 0 0.006 69.3
Silicon Sodium Potassium Water opm Water FLUID CLEANLIN Particles >4µm	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method	>50 >20 >0.1 >1000 limit/base >1300	43 0 0 0.009 93 current	 ▲ 81 0 <1 0.004 43 history1 	 73 0 0 0.006 69.3 history2
Silicon Sodium Potassium Water opm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	>50 >20 >0.1 >1000 limit/base >1300	43 0 0 0.009 93 <u>current</u> ▲ 25380	 ▲ 81 0 <1 0.004 43 history1 ▲ 136788 	 73 0 0 0.006 69.3 history2 42664
Silicon Sodium Potassium Water opm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647	>50 >20 >0.1 >1000 limit/base >1300 >320 >80	43 0 0 0.009 93 <u>current</u> ▲ 25380 ▲ 2278	 ▲ 81 0 <1 0.004 43 history1 ▲ 136788 ▲ 13243 	 73 0 0 0.006 69.3 history2 42664 2954
Silicon Sodium Potassium Water opm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647	>50 >20 >0.1 >1000 limit/base >1300 >320 >80	43 0 0 0.009 93 <u>current</u> ▲ 25380 ▲ 2278 57	 ▲ 81 0 <1 0.004 43 history1 ▲ 136788 ▲ 13243 44 	 73 0 0 0.006 69.3 history2 42664 2954 80
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647 ASTM D7647	>50 >20 >0.1 >1000 limit/base >1300 >320 >80 >20 >4	43 0 0 0.009 93	 ▲ 81 0 <1 0.004 43 history1 ▲ 136788 ▲ 13243 44 5 	 73 0 0 0.006 69.3 history2 42664 2954 80 35
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>50 >20 >0.1 >1000 limit/base >1300 >320 >80 >20 >4	43 0 0 0.009 93 <u>Current</u> 25380 2278 57 20 3	 ▲ 81 0 <1 0.004 43 43 history1 ▲ 136788 ▲ 13243 44 5 0 	 73 0 0.006 69.3 history2 42664 2954 80 35 6
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm % ppm JESS	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>50 >20 >0.1 >1000 limit/base >1300 >320 >80 >20 >4 >3	43 0 0 0.009 93	 ▲ 81 0 <1 0.004 43 history1 ▲ 136788 ▲ 13243 44 5 0 0 	 73 0 0.006 69.3 history2 42664 2954 80 35 6 2

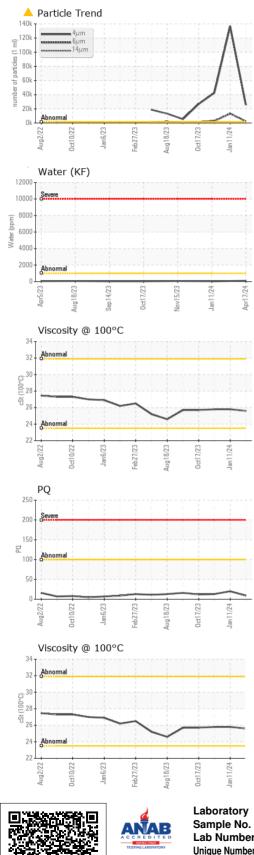
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Page 1 of 2

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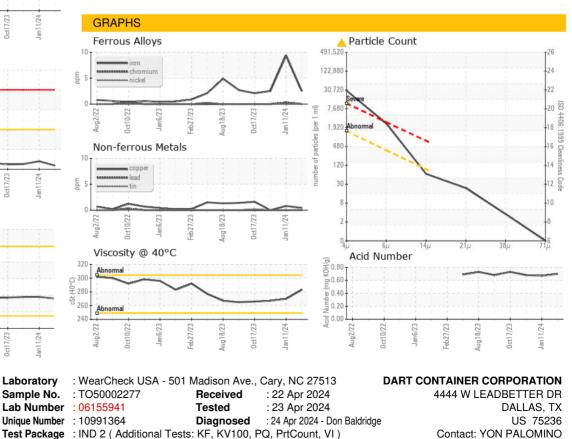


OIL ANALYSIS REPORT



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	LIGHT
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		283	270	267
Visc @ 100°C	cSt	ASTM D445		25.6	25.8	25.8
Viscosity Index (VI)	Scale	ASTM D2270		116	123	124
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					•	
					A REAL PROPERTY AND	

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

Submitted By: YON PALOMINO

yon.palomino@dart.biz

T: (214)775-5673

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