

OIL ANALYSIS REPORT

Area Fresh gallon blow mold room Machine Id 755-FG-BMM-01-E (S/N N0100AA030135) Component

Top Gear Extruder Fluid GEAR OIL ISO 220 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

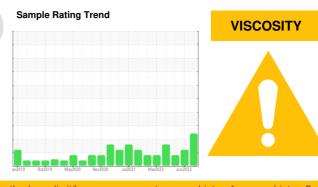
All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The oil viscosity is lower than normal. Confirmed. The AN level is acceptable for this fluid.



SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0007676	USP234965	USP228852
Sample Date		Client Info		14 Feb 2024	19 Jun 2023	06 Sep 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	51	14	10
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	1	0	0
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm	ASTM D5185m		1	<1	10
Tin	ppm	ASTM D5185m	>10	- <1	0	0
Vanadium	ppm	ASTM D5185m	210	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	21	20	0
Barium	ppm	ASTM D5185m	15	0	2	0
Molybdenum	ppm	ASTM D5185m	15	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	50	<1	0	0
Calcium	ppm	ASTM D5185m	50	6	16	29
Phosphorus	ppm	ASTM D5185m	350	240	270	299
Zinc	ppm	ASTM D5185m	100	18	28	210
Sulfur	ppm	ASTM D5185m	12500	5851	6661	5641
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	15	20	1
Sodium	ppm	ASTM D5185m		<1	3	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304	>0.1	0.002	0.009	0.008
ppm Water	ppm	ASTM D6304	>1000	18	96.0	83.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	A 176767	1 38173	▲ 83452
Particles >6µm		ASTM D7647	>5000	🔺 115442	A 32148	4133
Particles >14µm		ASTM D7647	>640	4968	181	22
Particles >21µm		ASTM D7647	>160	<u> </u>	15	3
Particles >38µm		ASTM D7647	>40	1	0	1
Particles >71µm		ASTM D7647	>10	0	0	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	4 25/24/19	▲ 24/22/15	4/19/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.60	0.98	0.33

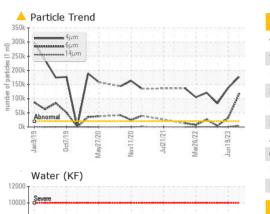
Contact/Location: CHARLES AMMERMAN - KRODENCO

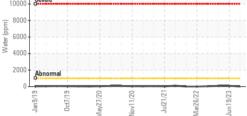


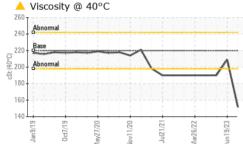
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method

VISUAL







1.60 1.40

(B/HOX bu) 1.20 (B/HOX bu) 1.00 1.00 1.00 1.00 1.00 1.00

- 명 0.40

1200

1000

800 Water (ppm)

4000

2000

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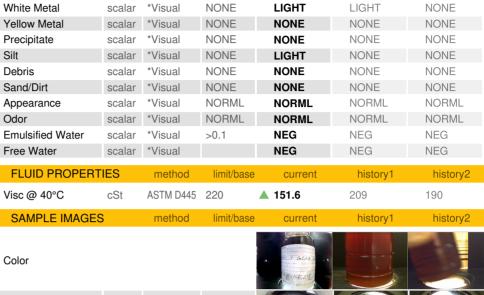
Abnormal

0.00

B

lan9/

Abnorma 0.20



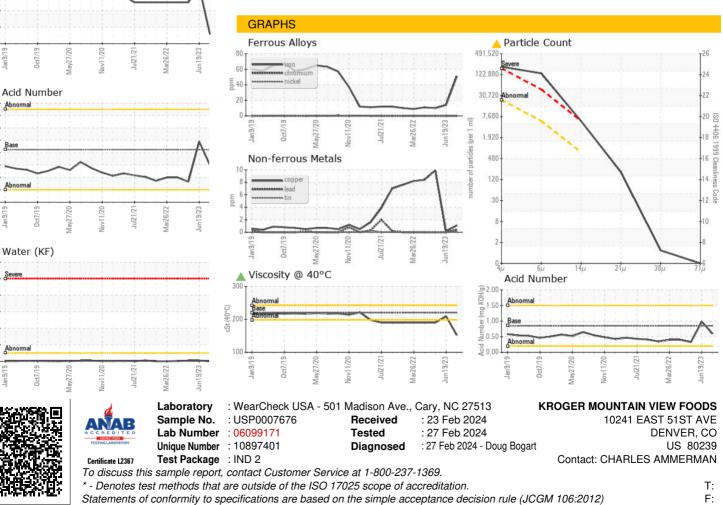
limit/base

current

history1

history2

Bottom



Contact/Location: CHARLES AMMERMAN - KRODENCO