

OIL ANALYSIS REPORT

Sample Rating Trend

m2016 Da2010 Jun2019 Jun2020 Dc2020 Ju2022 Aug/2022 Jun2023 Dc2023

NORMAL



Wetstarch Machine Id Gluten Dryer

Component

Case Drain Gearbox

ROYAL PURPLE SYNERGY 90/220 (40 GAL)

Dirtarvooro

Recommendation

Resample at the next service interval to monitor.

Moor

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

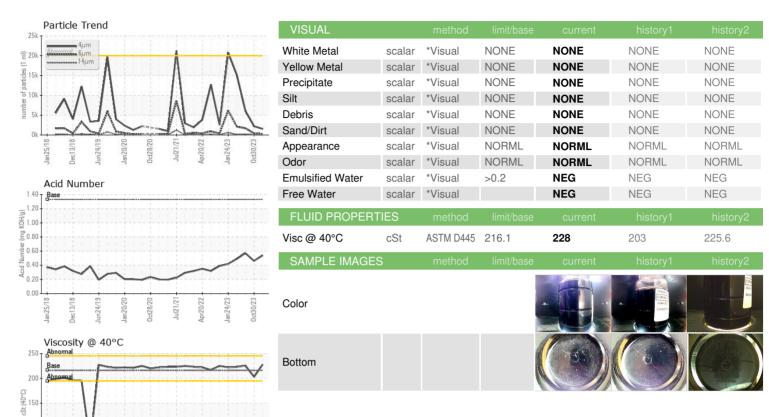
Fluid Condition

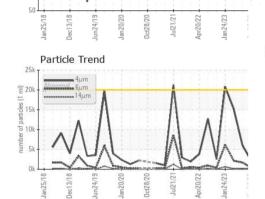
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

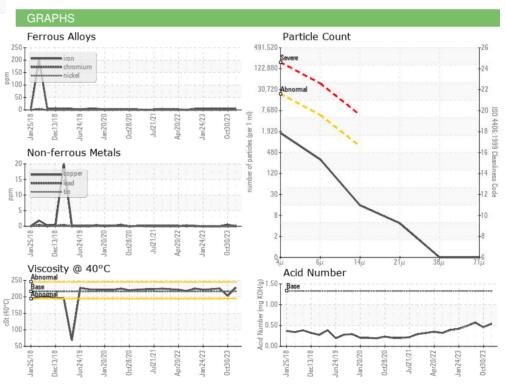
-/		in2018 Dec201	8 Jun2019 Jan2020 0	t2020 Jul2021 Apr2022 Jan20.	23 Oct2023	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0783914	WC0360131	WC0635862
Sample Date		Client Info		24 Jan 2024	30 Oct 2023	26 Jul 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	5	4	4
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	2
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	<1	0
Tin	ppm	ASTM D5185m	>25	<1	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		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		0	<1	2
Calcium	ppm	ASTM D5185m		1	6	5
Phosphorus	ppm	ASTM D5185m	370	226	245	211
Zinc	ppm	ASTM D5185m		0	13	0
Sulfur	ppm	ASTM D5185m		14680	15093	18294
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	3	3
Sodium	ppm	ASTM D5185m		<1	1	0
Potassium	ppm	ASTM D5185m	>20	0	<1	3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	1519	2198	6073
Particles >6µm		ASTM D7647	>5000	267	400	1681
Particles >14µm		ASTM D7647	>640	13	32	185
Particles >21µm		ASTM D7647	>160	4	6	30
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	18/15/11	18/16/12	20/18/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.33	0.54	0.46	0.57



OIL ANALYSIS REPORT









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Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 06075748 : 10857839

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0783914 Recieved

: 31 Jan 2024 Diagnosed Diagnostician

: 01 Feb 2024 : Wes Davis

Test Package : IND 2 (Additional Tests: PrtCount) 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) **INGREDION INC**

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