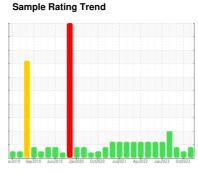


# **OIL ANALYSIS REPORT**

# **Wetstarch** #2 Feed Dryer

Component
Case Drain Gearbox

**ROYAL PURPLE SYNERGY 90/220 (40 GAL)** 





#### Recommendation

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

### Wear

All component wear rates are normal.

## Contamination

There is a light 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.

L)		m2018 Sep20	18 Jun2019 Jan2020 O	t2020 Jul2021 Apr2022 Jan20	23 Oct2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0886184	WC0816889	WC0757599
Sample Date		Client Info		23 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				ATTENTION	NORMAL	ATTENTION
CONTAMINATION	١	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	57	54	37
Chromium	ppm	ASTM D5185m	>15	<1	0	<1
Nickel	ppm	ASTM D5185m	>15	<1	<1	1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	3	3	3
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	<1	<1
Tin	ppm	ASTM D5185m	>25	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
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	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	<1	5
Calcium	ppm	ASTM D5185m		5	8	7
Phosphorus	ppm	ASTM D5185m	370	432	459	345
Zinc	ppm	ASTM D5185m		<1	0	8
Sulfur	ppm	ASTM D5185m		13066	14081	15429
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	5	8
Sodium	ppm	ASTM D5185m		3	3	1
Potassium	ppm	ASTM D5185m	>20	<1	<1	4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>21734</b>	18809	▲ 28687
Particles >6µm		ASTM D7647	>5000	2966	2436	4215
Particles >14μm		ASTM D7647	>640	99	92	336
Particles >21µm		ASTM D7647	>160	15	18	81
Particles >38μm		ASTM D7647	>40	1	1	3
Particles >71µm		ASTM D7647	>10	0	1	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>22/19/14</b>	21/18/14	<b>2</b> 2/19/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.33	0.77	0.66	0.70



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number** 

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0886184 : 06075743

Viscosity @ 40°C

260

200

180

Recieved Diagnosed : 10857834 Diagnostician

: 01 Feb 2024 : Wes Davis

Test Package : IND 2 ( Additional Tests: PrtCount )

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

**INGREDION INC** WINSTON SALEM PLANT, 4501 OVERDALE ROAD

WINSTON SALEM, NC US 27107

Contact: MATTHEW KING

matthew.king@ingredion.com T:

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

(mg KOH/g) (mg 1.00

Ê 0.50

0.00 gc

: 31 Jan 2024

Acid Number

F: (336)785-8809