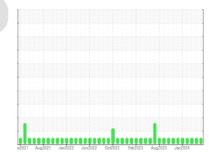


# **OIL ANALYSIS REPORT**

Area SSC NIRO 1 (S/N 003)

Component Transmission (Manual)

DTE 10/150 (15 GAL)



Sample Rating Trend



### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

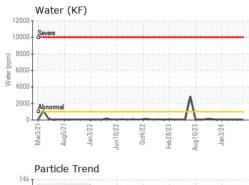
## **Fluid Condition**

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

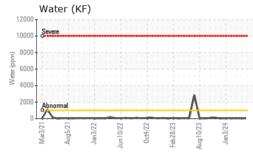
CANADI E INICODA	AATION					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0012828	USP0006330	USP0005834
Sample Date		Client Info		24 May 2024	08 Apr 2024	07 Mar 2024
Machine Age	hrs	Client Info		56731	0	55380
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	2	2	2
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>7	<1	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	0
Lead	ppm	ASTM D5185m	>45	2	1	<1
Copper	ppm	ASTM D5185m	>225	<1	6	4
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	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	0
Magnesium	ppm	ASTM D5185m		2	3	0
Calcium	ppm	ASTM D5185m		74	79	53
Phosphorus	ppm	ASTM D5185m		225	316	405
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		1112	1591	1651
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	<1	<1	0
Sodium	ppm	ASTM D5185m		2	2	0
Potassium	ppm	ASTM D5185m	>20	2	2	0
Water	%	ASTM D6304	>0.1	0.003	0.002	0.004
ppm Water	ppm	ASTM D6304	>1000	35	17	46
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	3449	898	2073
Particles >6µm		ASTM D7647	>2500	859	267	776
Particles >14µm		ASTM D7647	>320	52	17	61
Particles >21µm		ASTM D7647	>80	8	6	14
Particles >38µm		ASTM D7647	>20	0	1	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/17/13	17/15/11	18/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.09	0.09	0.07

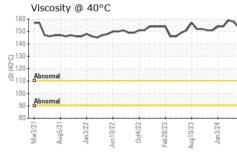


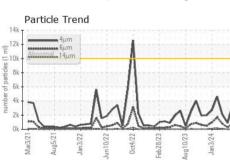
## **OIL ANALYSIS REPORT**

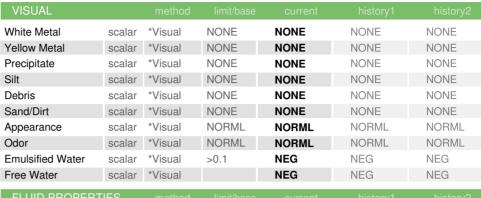


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10k - A00 8k - 6k - 4k - 7			٨	1			٨	
2k			M	M	_~	N	5	V









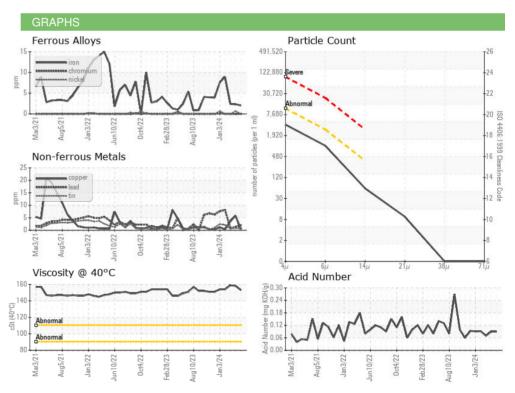
FLUID FROFER	THES	memou		HISTORY	HISTORYZ
Visc @ 40°C	cSt	ASTM D445	153	158	159

SAMPLE	IMAGES

Color

**Bottom** 









Laboratory Sample No.

: USP0012828 Lab Number : 06193998 Unique Number : 11056121

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 May 2024

**Tested** Diagnosed

: 30 May 2024 : 31 May 2024 - Doug Bogart S. SIOUX CITY, NE

EMPIRICAL FOODS INC. - BPISOUPRO - EMPSOUPRO

US Contact:

Test Package : IND 2 Certificate 12367 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)

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