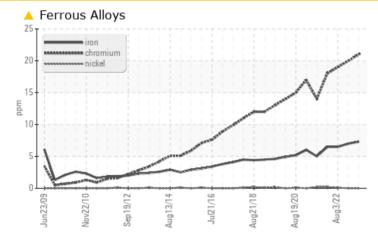


PROBLEM SUMMARY

Area TV/CID 24 Machine Id 102255 Main

Component Hydraulic System Fluid ESSO NUTO H ISO 68 (100 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status				ATTENTION	ATTENTION	ATTENTION			
Chromium	ppm	ASTM D5185(m)	>4	<u> </u>	<u> </u>	<u> </u>			

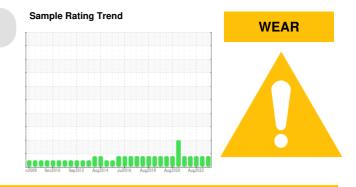
Customer Id: MITWAT Sample No.: WC0799504 Lab Number: 02576733 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com



There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

07 Feb 2023 Diag: Kevin Marson



Resample at the next service interval to monitor. Chromium ppm levels are noted. All other component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



Resample at the next service interval to monitor. Chromium ppm levels are noted. All other component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

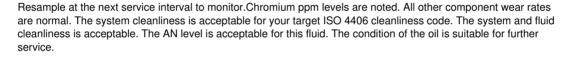


view report

view report



09 Feb 2022 Diag: Kevin Marson









OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area **TV/CID 24** Machine Id **102255 Main** Component

Hydraulic System Fluid ESSO NUTO H ISO 68 (100 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

🔺 Wear

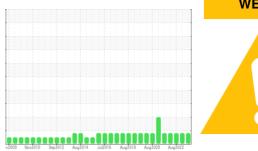
Chromium ppm levels are noted. All other component wear rates are normal.

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.



		nŽ009 NovŽi	110 Sep2012 Aug2014	Jul2016 Aug2018 Aug2020	Aug2022	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0799504	WC0763662	WC0688597
Sample Date		Client Info		25 Jul 2023	07 Feb 2023	03 Aug 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				ATTENTION	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>40	7	7	6
Chromium	ppm	ASTM D5185(m)	>4	<u> </u>	<u> </u>	1 9
Nickel	ppm	ASTM D5185(m)	>20	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>4	0	0	<1
Lead	ppm	ASTM D5185(m)	>10	1	1	1
Copper	ppm	ASTM D5185(m)	>60	21	21	21
Tin	ppm	ASTM D5185(m)	>4	<1	<1	1
Antimony	ppm	ASTM D5185(m)		<1	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<1	<1	<1
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)	5	<1	0	<1
Calcium	ppm	ASTM D5185(m)	50	33	32	32
Phosphorus	ppm	ASTM D5185(m)	330	360	364	329
Zinc	ppm	ASTM D5185(m)	420	404	398	393
Sulfur	ppm	ASTM D5185(m)	3100	2990	3033	3075
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	<1	<1	<1
Sodium	ppm	ASTM D5185(m)		2	2	2
Potassium	ppm	ASTM D5185(m)	>20	1	1	1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3144	1003	792
Particles >6µm		ASTM D7647	>1300	156	144	201
Particles >14µm		ASTM D7647	>160	17	21	23
Particles >21µm		ASTM D7647	>40	5	7	7
Particles >38µm		ASTM D7647	>10	1	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/14/11	17/14/12	17/15/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	KOUK		10		0.00	0.07

Acid Number (AN) mg KOH/g

mg KOH/g ASTM D974* .40

0.37 0.39 0.37

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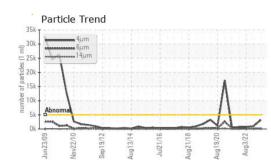
Contact/Location: Alan Davies - MITWAT

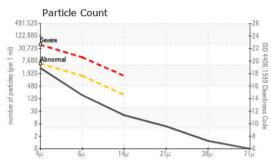


Acid Number

0.70

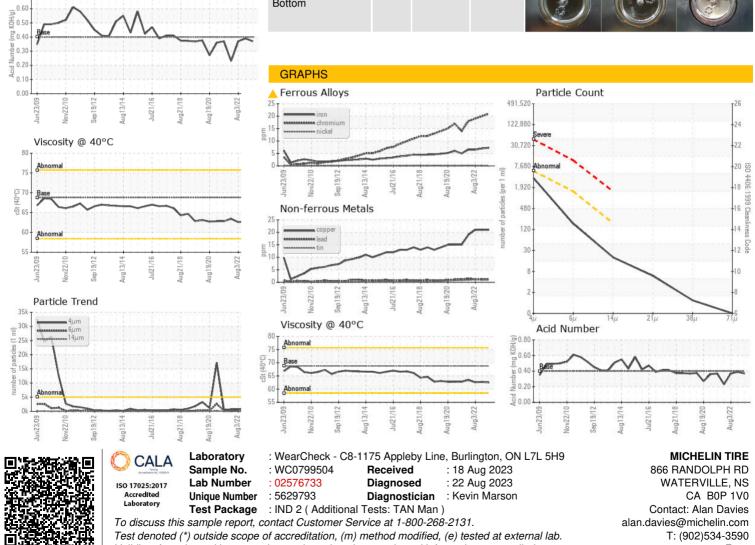
OIL ANALYSIS REPORT







Bottom



Validity of results and interpretation are based on the sample and information as supplied.

Report Id: MITWAT [WCAMIS] 02576733 (Generated: 08/22/2023 09:40:33) Rev: 1

Contact/Location: Alan Davies - MITWAT

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