



PROBLEM SUMMARY

Sample Rating Trend



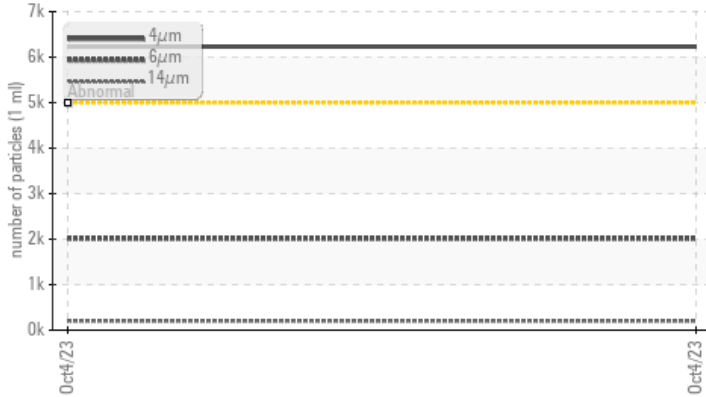
ISO



Machine Id
REXROTH EDGER NETWORKS
 Component
Hydraulic System
 Fluid
ESSO NUTO H ISO 46 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	---	---
Particles >4µm	ASTM D7647	>5000	▲ 6233	---	---
Particles >6µm	ASTM D7647	>1300	▲ 2016	---	---
Particles >14µm	ASTM D7647	>160	▲ 201	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 20/18/15	---	---

Customer Id: ISLQUA
 Sample No.: WC0865010
 Lab Number: 02588904
 Test Package: IND 2



To manage this report scan the QR code

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RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Information Required	---	---	?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
REXROTH EDGER NETWORKS

Component
Hydraulic System

Fluid
ESSO NUTO H ISO 46 (--- GAL)

DIAGNOSIS

▲ Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0865010	---	---
Sample Date	Client Info	04 Oct 2023	---	---
Machine Age	yrs Client Info	20	---	---
Oil Age	yrs Client Info	0	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>40	0	---	---
Chromium ppm ASTM D5185(m)	>4	0	---	---
Nickel ppm ASTM D5185(m)	>20	<1	---	---
Titanium ppm ASTM D5185(m)		0	---	---
Silver ppm ASTM D5185(m)		<1	---	---
Aluminum ppm ASTM D5185(m)	>4	0	---	---
Lead ppm ASTM D5185(m)	>10	<1	---	---
Copper ppm ASTM D5185(m)	>60	<1	---	---
Tin ppm ASTM D5185(m)	>4	0	---	---
Antimony ppm ASTM D5185(m)		0	---	---
Vanadium ppm ASTM D5185(m)		0	---	---
Beryllium ppm ASTM D5185(m)		0	---	---
Cadmium ppm ASTM D5185(m)		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185(m)	0	<1	---	---
Barium ppm ASTM D5185(m)	0	<1	---	---
Molybdenum ppm ASTM D5185(m)	0	0	---	---
Manganese ppm ASTM D5185(m)		0	---	---
Magnesium ppm ASTM D5185(m)	5	0	---	---
Calcium ppm ASTM D5185(m)	50	53	---	---
Phosphorus ppm ASTM D5185(m)	330	334	---	---
Zinc ppm ASTM D5185(m)	410	436	---	---
Sulfur ppm ASTM D5185(m)	2700	2122	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>20	2	---	---
Sodium ppm ASTM D5185(m)		0	---	---
Potassium ppm ASTM D5185(m)	>20	0	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>5000	▲ 6233	---	---
Particles >6µm ASTM D7647	>1300	▲ 2016	---	---
Particles >14µm ASTM D7647	>160	▲ 201	---	---
Particles >21µm ASTM D7647	>40	54	---	---
Particles >38µm ASTM D7647	>10	4	---	---
Particles >71µm ASTM D7647	>3	1	---	---
Oil Cleanliness ISO 4406 (c)	>19/17/14	▲ 20/18/15	---	---

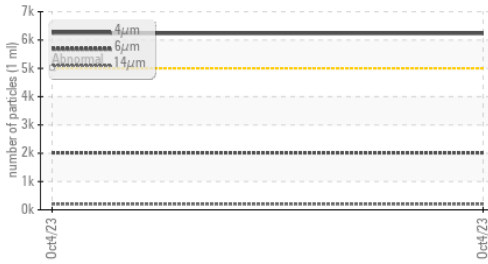
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D974*	0.45	0.35	---	---

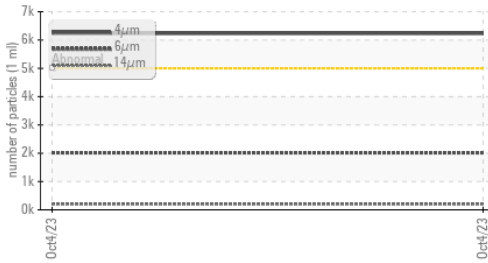


OIL ANALYSIS REPORT

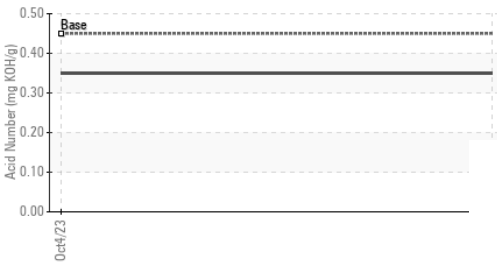
▲ Particle Trend



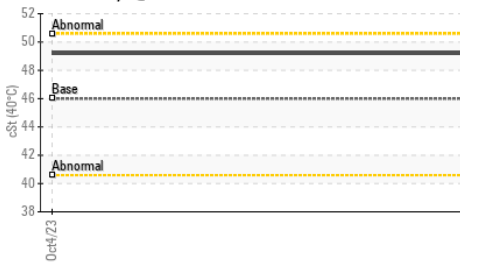
▲ Particle Trend



Acid Number



Viscosity @ 40°C



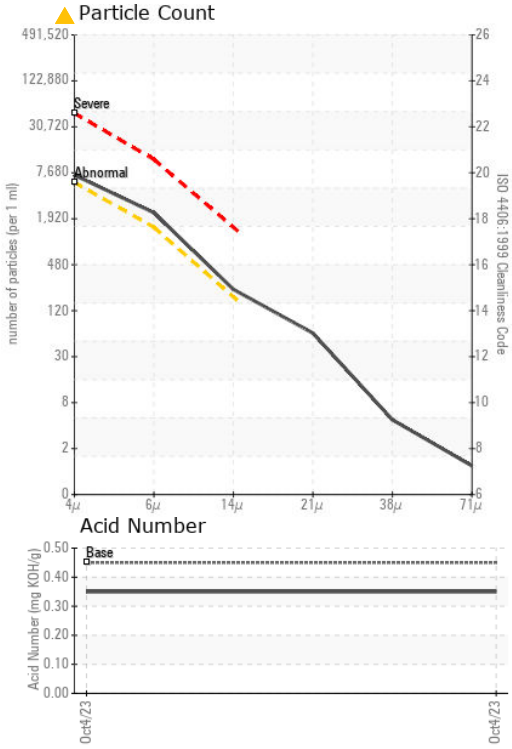
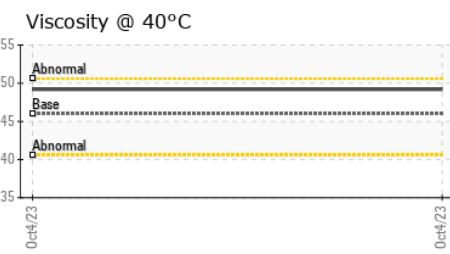
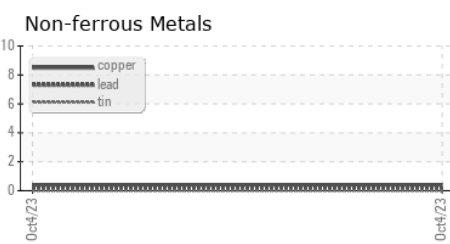
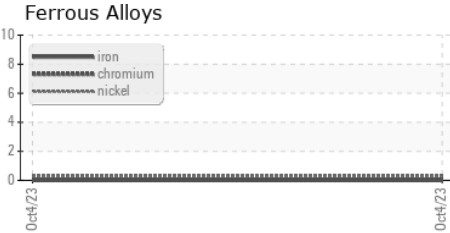
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.05	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	46	49.2	---	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color				
Bottom				

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0865010 **Received** : 13 Oct 2023
Lab Number : 02588904 **Diagnosed** : 16 Oct 2023
Unique Number : 5657970 **Diagnostician** : Wes Davis
Test Package : IND 2 (Additional Tests: TAN Man)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.