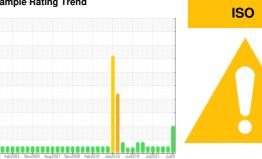


# **OIL ANALYSIS REPORT**

Sample Rating Trend



#1 C.W. Pump Motor (S/N 71120-PM-1) Component

Pump Fluid

ESSO NUTO H ISO 68 (115 LTR)

### **DIAGNOSIS**

#### Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.

#### Wear

All component wear rates are normal.

#### Contamination

There is a moderate amount of particulates (2 to 100 microns in size) present in the oil.

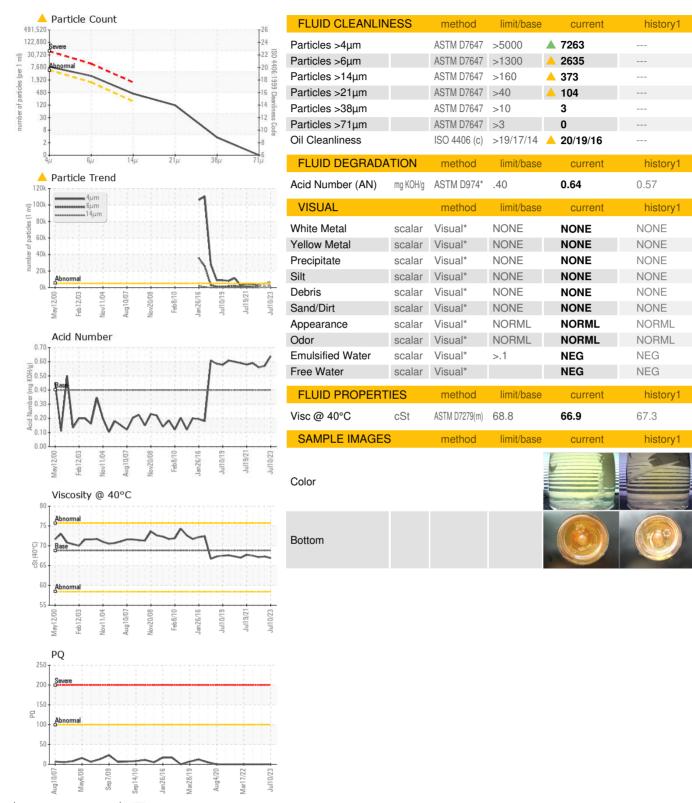
#### **Fluid Condition**

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

y2000 Feb.2003 Nov.2004 Aug2007 Nov.2008 Feb.2010 Jan2016 Jul2019 Jul2021 Jul20						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0831830	WC0774119	WC0714809
Sample Date		Client Info		10 Jul 2023	23 Jan 2023	07 Sep 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				ABNORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>90	<1	<1	<1
Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	<1	0	<1
Titanium	ppm	ASTM D5185(m)	>3	0	0	<1
Silver	ppm	ASTM D5185(m)	>3	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>7	0	0	0
Lead	ppm	ASTM D5185(m)	>12	1	4	4
Copper	ppm	ASTM D5185(m)	>30	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>9	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	<1
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	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	5	0	<1	0
Calcium	ppm	ASTM D5185(m)	50	49	47	48
Phosphorus	ppm	ASTM D5185(m)	330	339	358	366
Zinc	ppm	ASTM D5185(m)	420	449	440	448
Sulfur	ppm	ASTM D5185(m)	3100	2900	2913	2979
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>60	1	<1	<1
Sodium	ppm	ASTM D5185(m)		<1	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	0	0	<1



## OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

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

Test Package

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0831830

Recieved : 02604138 : 5697223

Diagnosed : 21 Dec 2023 Diagnostician : Wes Davis : IND 2 ( Additional Tests: PQ, PrtCount, TAN Man )

: 19 Dec 2023

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.

**Ontario Power Generation** ATIKOKAN T.G.S., BOX 1900 ATIKOKAN, ON

CA POT 1C0 Contact: Dale Anthony dale.anthony@opg.com

F: (807)597-1198

T:

history2

2288

594

47

11

0

0

0.56

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NEG

NEG

67.1

NORML

history2

history

18/16/13

history2

history2