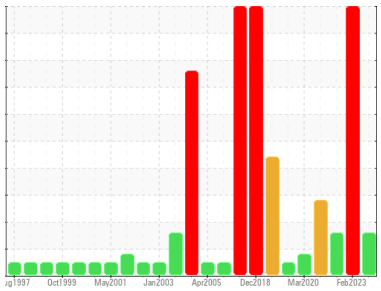
OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Machine Id
41P11 TR-O
Component
Reduction Gear
Fluid
MOBIL SHC 630 (30 LTR)

DIAGNOSIS

Recommendation
Nous vous recommandons de vidanger l`huile de ce composant si vous ne l`avez pas déjà fait. Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation.

Wear
Usure de palier et (ou) de douille.

Contamination
Il n`y a aucun indice de contamination dans l`huile.

Fluid Condition
l`huile n'est plus en état de service en raison d'une usure anomale et/ou sévère.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0912849**	WC0760699	WC0557423
Sample Date		Client Info		**20 Mar 2024**	02 Feb 2023	04 May 2021
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**	SEVERE	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>117	**43**	60	19
Chromium	ppm	ASTM D5185(m)	>2	**<1**	<1	1
Nickel	ppm	ASTM D5185(m)	>2	**3**	▲ 7	3
Titanium	ppm	ASTM D5185(m)		**0**	0	<1
Silver	ppm	ASTM D5185(m)		**0**	0	<1
Aluminum	ppm	ASTM D5185(m)	>11	**2**	4	2
Lead	ppm	ASTM D5185(m)	>10	**3**	9	5
Copper	ppm	ASTM D5185(m)	>55	● **140**	▲ 322	● 114
Tin	ppm	ASTM D5185(m)	>15	▲ **18**	▲ 41	▲ 16
Antimony	ppm	ASTM D5185(m)	>5	**0**	0	1
Vanadium	ppm	ASTM D5185(m)		**0**	0	1
Beryllium	ppm	ASTM D5185(m)		**0**	0	<1
Cadmium	ppm	ASTM D5185(m)		**0**	0	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		**<1**	<1	1
Barium	ppm	ASTM D5185(m)		**0**	0	1
Molybdenum	ppm	ASTM D5185(m)		**0**	0	1
Manganese	ppm	ASTM D5185(m)		**0**	<1	1
Magnesium	ppm	ASTM D5185(m)		**0**	0	1
Calcium	ppm	ASTM D5185(m)		**<1**	0	2
Phosphorus	ppm	ASTM D5185(m)		**412**	484	448
Zinc	ppm	ASTM D5185(m)		**2**	4	2
Sulfur	ppm	ASTM D5185(m)		**120**	205	263
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	**18**	21	19
Sodium	ppm	ASTM D5185(m)		**<1**	<1	2
Potassium	ppm	ASTM D5185(m)	>20	**<1**	0	4

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		**0**	0	0
Nitration	Abs/cm	ASTM D7624*		**4.7**	3.6	4.6
Sulfation	Abs/.1mm	ASTM D7415*		**12.5**	14.3	15.1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*		**3.8**	5.6	6.9

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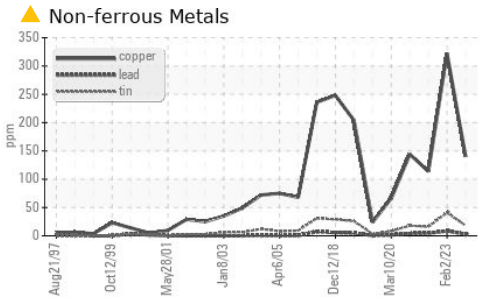
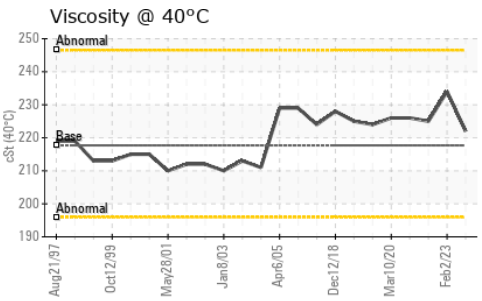


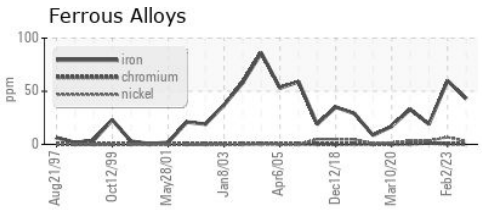


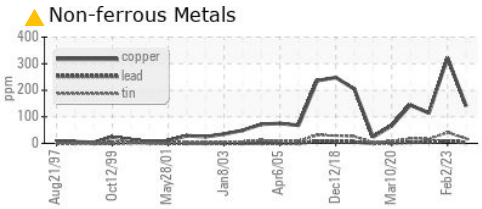
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**VLITE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Precipitate	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Debris	scalar	Visual*	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Appearance	scalar	Visual*	NORML	**NORML**	NORML	NORML
Odor	scalar	Visual*	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

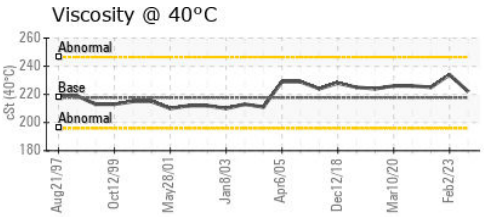
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	217.7	**222**	234	225

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter			*no image*	*no image*	*no image*

GRAPHS







ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0912849 **Received** : 27 Mar 2024
Lab Number : 02625055 **Tested** : 28 Mar 2024
Unique Number : 5750174 **Diagnosed** : 28 Mar 2024 - Kevin Marson
Test Package : IND 1 (Additional Tests: FT-IR)

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.

RTA - UGB
C.P. 900
Ville de la Baie, QC
CA G7B 4G9
Contact: Alcan Epc
mathieu.tremblay2@riotinto.com
T: (418)697-9568
F: (418)697-9550