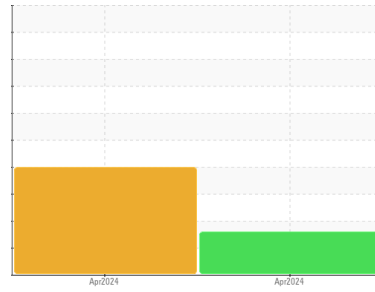




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area

huile neuve

Machine Id

mobil hydraul extra

Component

New (Unused) Oil

Fluid

ESSO HYDRAUL EXTRA (--- GAL)

DIAGNOSIS

Recommendation

Il s'agit du relevé de base de cette huile neuve (inutilisée). Le fluide peut servir. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. **NOTER:** Des nouvelles huiles ne sont pas généralement filtrées ni garanties conformes à un code spécifique de propreté. Nous vous conseillons de vérifier le code cible de propreté pour votre application et vous recommandons de vous servir d'un dispositif portable de filtrage lors du remplissage de tout système avec un code de propreté inférieur au code de propreté ISO de ce produit. (Customer Sample Comment: Huile pris dans le réservoir au magasin)

Contamination

Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile.

Fluid Condition

Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en l'utilisation. l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0921472	WC0915597	---
Sample Date	Client Info		11 Apr 2024	04 Apr 2024	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ABNORMAL	SEVERE	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	0	---
Iron	ppm	ASTM D5185(m) >5	<1	<1	---
Chromium	ppm	ASTM D5185(m) >5	0	0	---
Nickel	ppm	ASTM D5185(m) >5	0	0	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m) >5	0	0	---
Aluminum	ppm	ASTM D5185(m) >5	<1	<1	---
Lead	ppm	ASTM D5185(m) >5	0	0	---
Copper	ppm	ASTM D5185(m) >5	0	0	---
Tin	ppm	ASTM D5185(m) >5	0	0	---
Antimony	ppm	ASTM D5185(m)	0	0	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	3	---
Barium	ppm	ASTM D5185(m)	0	0	---
Molybdenum	ppm	ASTM D5185(m)	2	2	---
Manganese	ppm	ASTM D5185(m)	0	0	---
Magnesium	ppm	ASTM D5185(m)	57	48	---
Calcium	ppm	ASTM D5185(m)	3370	3326	---
Phosphorus	ppm	ASTM D5185(m)	1030	964	---
Zinc	ppm	ASTM D5185(m)	1230	1192	---
Sulfur	ppm	ASTM D5185(m)	3220	3032	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

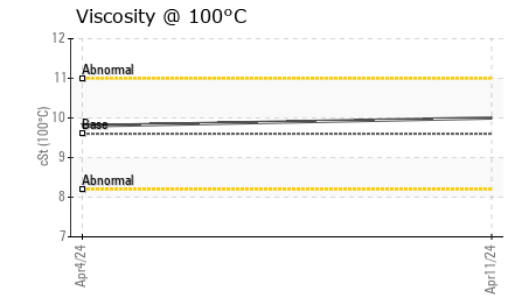
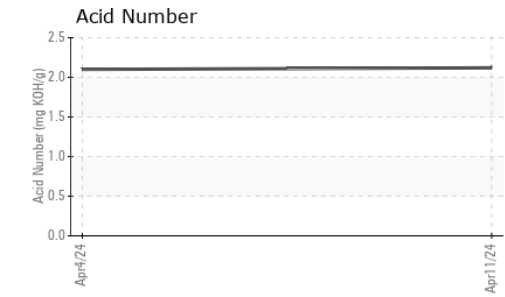
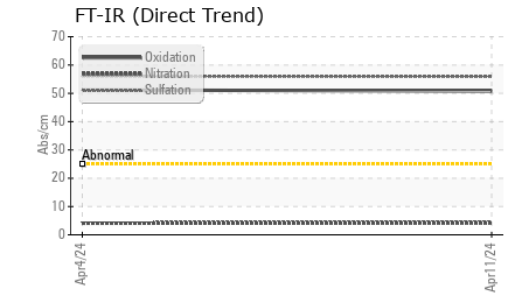
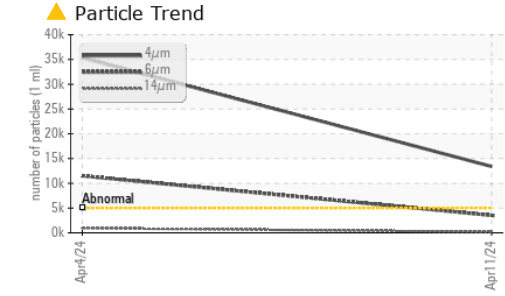
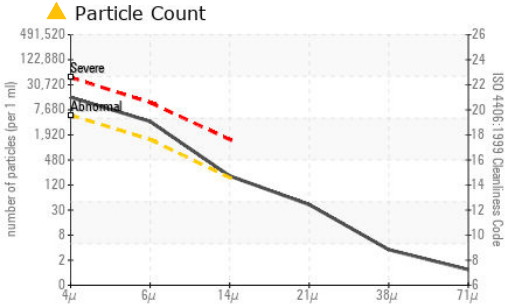
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	2	2	---
Sodium	ppm	ASTM D5185(m)	<1	<1	---
Potassium	ppm	ASTM D5185(m) >20	0	<1	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	0	0	---
Nitration	Abs/cm	ASTM D7624*	4.2	4.1	---
Sulfation	Abs./1mm	ASTM D7415*	55.9	56.0	---



OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0921472
Lab Number : 02628806
Unique Number : 5761938
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PQ, PrtCount, VI)

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

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.

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 13396	▲ 35334	---
Particles >6µm	ASTM D7647	>1300	▲ 3525	▲ 11494	---
Particles >14µm	ASTM D7647	>160	● 175	▲ 940	---
Particles >21µm	ASTM D7647	>40	36	▲ 220	---
Particles >38µm	ASTM D7647	>10	3	11	---
Particles >71µm	ASTM D7647	>3	1	2	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 21/19/15	▲ 22/21/17	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	50.8	51.2	---
Acid Number (AN)	mg KOH/g	ASTM D974*	2.12	2.10	---

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*	NEG	NEG	---
Free Water	scalar	Visual*	NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	43	46.9	46.0
Visc @ 100°C	cSt	ASTM D7279(m)	9.6	10.0	9.8
Viscosity Index (VI)	Scale	ASTM D2270*	218	207	206

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