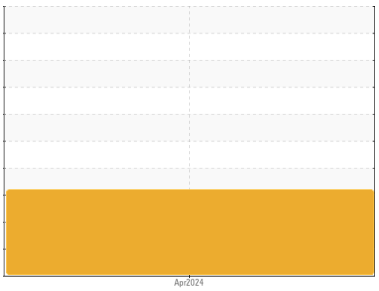
OIL ANALYSIS REPORT

Sample Rating Trend



DIRT

Area
Metex
Machine Id
A2404113
Component
Quench Oil
Fluid
{not provided} (--- GAL)

DIAGNOSIS

Wear
Iron ppm levels are noted.

Contamination
Silicon ppm levels are notably high.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Department		Client Info		**Production**	---	---
Production Stage		Client Info		**Initial**	---	---
Sent to WC		Client Info		**04/18/2024**	---	---
Sample Number		Client Info		**E30001906**	---	---
Sample Date		Client Info		**18 Apr 2024**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**ABNORMAL**	---	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		**682**	---	---
Chromium	ppm	ASTM D5185(m)		**8**	---	---
Nickel	ppm	ASTM D5185(m)		**6**	---	---
Titanium	ppm	ASTM D5185(m)		**<1**	---	---
Silver	ppm	ASTM D5185(m)		**0**	---	---
Aluminum	ppm	ASTM D5185(m)		**5**	---	---
Lead	ppm	ASTM D5185(m)		**0**	---	---
Copper	ppm	ASTM D5185(m)		**3**	---	---
Tin	ppm	ASTM D5185(m)		**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)		**5**	---	---
Barium	ppm	ASTM D5185(m)		**<1**	---	---
Molybdenum	ppm	ASTM D5185(m)		**0**	---	---
Manganese	ppm	ASTM D5185(m)		**29**	---	---
Magnesium	ppm	ASTM D5185(m)		**13**	---	---
Calcium	ppm	ASTM D5185(m)		**134**	---	---
Phosphorus	ppm	ASTM D5185(m)		**17**	---	---
Zinc	ppm	ASTM D5185(m)		**164**	---	---
Sulfur	ppm	ASTM D5185(m)		**309**	---	---
Lithium	ppm	ASTM D5185(m)		**<1**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		**15**	---	---
Sodium	ppm	ASTM D5185(m)		**5**	---	---
Potassium	ppm	ASTM D5185(m)	>20	**2**	---	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		**1**	---	---
Nitration	Abs/cm	ASTM D7624*		**12.0**	---	---
Sulfation	Abs/.1mm	ASTM D7415*		**0.0**	---	---

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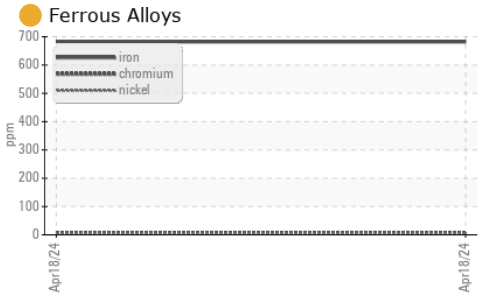

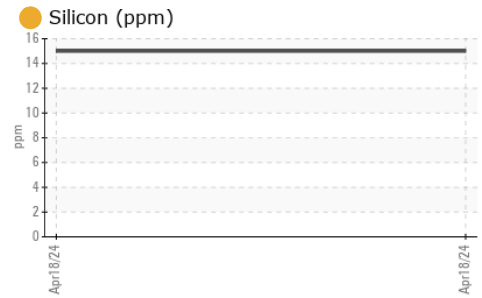

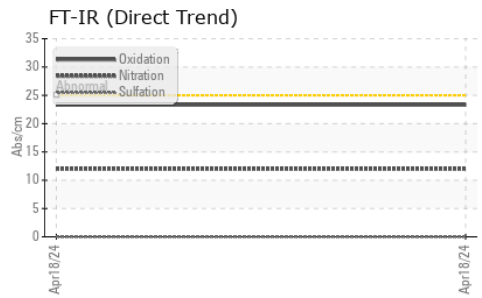

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*		**23.3**	---	---

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	▲ **MODER**	---	---
Debris	scalar	Visual*	NONE	**NONE**	---	---
Sand/Dirt	scalar	Visual*	NONE	**NONE**	---	---
Appearance	scalar	Visual*	NORML	**NORML**	---	---
Odor	scalar	Visual*	NORML	**NORML**	---	---

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

GRAPHS

ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30001906 **Received** : 22 Apr 2024
Lab Number : 02630817 **Tested** : 23 Apr 2024
Unique Number : 5763949 **Diagnosed** : 26 Apr 2024 - Tatiana Sorkina
Test Package : TEST (Additional Tests: FT-IR, ICP)

To discuss this sample report, contact Customer Service at 1-905-372-2251.
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.

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